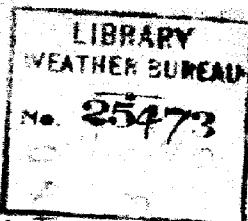
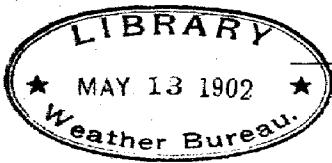


*46*  
Jamaica. Meteorological Office



J A M A I C A, Weather Report,

(METEOROLOGICAL OBSERVATIONS.)



VOL. III.

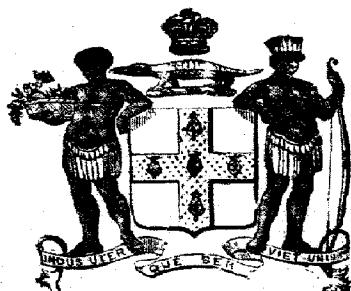
AUG 21 2001

CONTAINING REPORTS NOS. 195 TO 277,

FROM

JAN., 1896, TO FEB., 1902, INCLUSIVE.

QC  
987  
.125  
W34  
1896  
[Jan.-May]



J A M A I C A:  
GOVERNMENT PRINTING OFFICE, 79 DUKE STREET KINGSTON JAMAICA.

1902.

**National Oceanic and Atmospheric Administration**

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## CONTENTS.

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Introduction:—Notes on the adoption of the Gravity correction in the reading of mercurial barometers, on the closing of the Weather Service, and on the transfer of the publication of the Weather Reports to the Office of the Island Chemist.		No. 235. Weather Report for Jan., 1899.
No. 195. Weather Report for Jan., 1896.		236. " Feb. "
196. "	Feb. "	237. The closing of the Weather Service.
197. "	Mar. "	238. Weather Report for Mar., 1899.
198. "	April "	239. " April "
199. "	May "	240. " May "
200. The Kingston Anemometer.		240. (A.) Rainfall for 1897.
201. Weather Report for June, 1896.		241. Meteorological Results for 1898.
202. "	July "	Report on the Time Service, 1898.
203. "	Aug. "	242. Weather Report for June, 1899.
204. "	Sept. "	243. Rainfall for 1898.
205. "	Oct. "	244. Weather Report for July, 1899.
206. "	Nov. "	245. " Aug. "
207. Rainfall for 1895.		246. " Sept. "
208. Weather Report for Dec. "		247. " Oct. "
209. "	Jan., 1897.	248. " Nov. "
210. "	Feb. "	249. " Dec. "
211. "	Mar. "	250. " Jan., 1900.
212. "	April "	251. " Feb. "
213. "	May "	252. " Mar. "
214. "	June "	253. " April "
215. "	July "	254. Rainfall for 1899.
216. Rainfall for 1896.		255. Weather Report for May, 1900.
217. Weather Report for Aug. "		256. " June "
218. "	Sept. "	256. (A) Rainfall from 1870 to 1899. ✓
219. "	Oct. "	257. Weather Report for July, 1900.
220. "	Nov. "	258. " Aug. "
221. "	Dec. "	259. " Sept. "
222. "	Jan., 1898.	260. " Oct. "
223. "	Feb. "	261. " Nov. "
224. "	Mar. "	262. " Dec. "
225. "	April "	263. " Jan., 1901
226. "	May "	264. " Feb. "
227. The Tides in Kingston Harbour. The Kingston Time Service.		265. " Mar. "
228. Weather Report for June, 1898.		266. " April "
229. "	July "	267. " May "
230. "	Aug. "	268. " June "
231. "	Sept. "	269. " July "
232. "	Oct. "	270. " Aug. "
233. "	Nov. "	271. " Sept. "
234. "	Dec. "	272. " Oct. "
		273. " Nov. "
		274. " Dec. "
		275. Kingston temperatures from 1881 to 1898.
		276. Weather Report for Jan., 1902.
		277. " Feb. "

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## ERRATA.

**Vol. II.** Introduction, p. 12. For "1860. The Aurora Borealis was seen one night" read "1859. The Aurora Borealis was well seen in Jamaica on the night of August 28th," and in Vol. III. W.R. No. 235, p. 6, correct accordingly in the note respecting the second time the Aurora was seen.

**Vol. III.** W.R. 206, p. 2, last line, Cinchona temperature at 3 p.m. For 57°.5 read 63°.9.

**W.R. 208,** p. 2, last line, Cinchona range of temp. For 10°.0 read 10°.5.

Page 5, Comparative table: the average Rainfall for the S. Division is 2.72.

" 210, p. 6. Fontabelle with a rainfall of 2.65 should have been entered in the Northern Division.

" 216, p. 2, Montego Bay December, for 4.18 read 5.83; and for total 48.75 read 50.40.

" 215, p. 6. Retreat. For 9.00 read 9.85.

" 218, p. 3. Annotto Bay. For 1.72 read 14.18.

" 223, p. 3; second column: between Mocho and Lethe move all the figures up one line.

" 236, p. 2. Negril Point L.H. Wind per diem. For 25.5 read 255.

Page 3. Richmond Pen. For 2.20 read 0.80.

" 240, containing the Rainfall for 1897 should be marked 240 (▲).

" 242, p. 2. Castleton Gardens. For 6.47 read 4.49.

" 246, p. 5. For Milk River read Rest; so also

in 247, 248, and 249.

**W.R. 249,** p. 2. Hordley. For 26.32 read 8.73. This changes the Mean for the N.E. Division from 14.15 to 12.20. So again in the Comparative Table p. 4: so that the Mean for December is 6.71 instead of 7.20. Substituting the correct values in the Rainfall over the Island, for the N.E. Division we have 103.89 for the year instead of 105.84; and for the Island we have 84.94 instead of 85.44. The corrected table is given in W.R. 250.

" 250, p. 2. Richmond Estate. For 15.28 read 5.28.

" 256, containing the Rainfall from 1870 to 1899 should be marked 256 (▲).

" 257, p. 4. Northern Division. For 3.76 read 3.67.

" 259, p. 3. Point Hill. For 0.00 read 26.82.

" 258 " Savoy House. For 2.92 read 5.17.

" 259 " " 10.34 " 14.75.

" 260 " " 2.59 " 5.74.

" 260, p. 3. Lunatic Asylum. For 1.82 read 0.24.

" 262, p. 1. King's House, Min. temp. For 54°

read 65° with a range of 29°.

" 267, p. 3, second column. For Bartons read Browns Hall.

" 271, p. 4. Strike out remarks applying to August commencing "The Rainfall for August" and ending "three hours."

# INDEX.

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<i>No. of Report.</i>	<i>No. of Report.</i>
Anemometer, The Kingston	200
Aurora borealis seen January 26th, 1899	235
Barometric depressions	204, 226, 231, 245
Cinchona barometer, readings to be corrected	222
Closing of the Weather Service	237
Comet of May, 1901	267
Damage done by lightning	203, 215, 217, 218, 267,
Drought in January, February, March, 1897	211
Earthquake shocks, slight, 1905, 196, 203, 205, 212, 220, 221, 222, 226, 229, 233, 234, 235, 242, 244, 256, 257, 259, 261, 263, 272	219
Flood rains of October, 1897	219
Gravity, standard	Introd. 195
Hail, 196, 198, 199, 202, 203, 213, 214, 223, 224, 229, 231, 244, 257, 267	223
Hail stones, size of large	223
Heaviest rains between May, 1870, and Oct. 1897	219
Island rainfall, heavy monthly falls	226
Kingston anemometer, The	200
Kingston temperatures, 1881 to 1898	275
Lightning, see Damage done by.	
Low temperatures, list of	222
May seasons, 1898	226
Mean Max. temperature and the Sun-spot period	275
Meteorological results for 1896	208
"    "    "    "    1897	221
"    "    "    "    1898	234, 241
"    Stations in Jamaica	297
Negril Point L. H. Instrumental corrections	225
New Star in Perseus	264
Northers, list of	222
"    wind for each hour of day	200
Northers, of March and December, 1901	265, 274
Notice for hurricane season of 1896	203
"    "    1897	215
"    "    1898	229
Nov. meteors, expected display of in 1899	216, 248
Publication of Weather Reports transferred to the Office of the Island Chemist	Introd.
Rainfall, Island, 1895	207
"    "    1896	216
"    "    1897	240 (A)
"    "    1898	243
"    "    1899	254
"    "    1900	262
"    "    1901	27
"    at various Stations from 1870 to 1899	256 (A)
"    brief summary of the, from 1866 to 1901	274
"    and the Sun-spot period	27
Rains, heaviest, between May 1870 and Oct 1897	1897
Rain storm in St. James, Feb. 28th, 1896	196
Results of work done by Weather Service	237
Small cyclones near Jamaica	247, 248, 271
Temperatures, Kingston, 1881 to 1898	275
"    list of low	222
Tides in Kingston Harbour	227
Time Service, 1897, 1898	227, 241
United States Station, Halfway Tree, monthly means	238 to 273
Weather Reports, publication of, transferred to the Office of the Island Chemist	Introd.
Weather Service, the closing of the	237
"    results of work done by	237
Wind at Kingston for each hour	200

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## INTRODUCTION.

When the pressure of the free elastic atmosphere is measured by means of mercurial barometers a small correction depending on the latitude should be applied in consequence of the variation of gravity with the latitude.

Terrrestrial gravity is greatest at the poles and least at the equator: so that a column of mercury 30 inches high at the equator would balance a column of mercury of only 29.84 inches at the poles, the two columns having the same temperature.

Consequently in comparing mean atmospheric pressure in different latitudes, as for instance in the study of terrestrial physics, it becomes necessary to adopt some standard gravity; and it has been agreed to adopt gravity at the sea-level in latitude 45° as such standard.

Different nations have recently adopted this correction at different times: and I believe that it was agreed that all nations who had not previously done so should adopt it with the commencement of the twentieth century, that is to say, on January 1st, 1901.

In Jamaica the correction was adopted January 1st, 1896, with the commencement of Vol. III.; and 0.063 in corresponding to latitude 18° was subtracted from all barometric reading, reduced to the sea-level.

This correction should be incorporated with that for instrumental error as determined for any mercurial barometer at the Kew Observatory in England; and for any altitude not exceeding a thousand feet or so, a small table should be drawn up further correcting and reducing the readings to 32° F. and to sea-level, so as to show the total correction and reduction for each degree of temperature as usually experienced, always supposing that the barometer is kept where its temperature as shown by the attached thermometer will not greatly differ from the temperature of the air as shown by the dry-bulb in Stevenson's screen on the lawn.

Of course the gravity correction is not applicable to aneroid barometers.

In Weather Report No. 237 will be found an account of the closing of the Jamaica Weather Service April 1st, 1899, in which it was stated that a grant of £50 a year would be allowed for the collection and tabulation of statistics of rainfall and temperature, or in other words for the preparation of the Weather Reports.

In December, 1901, the following letter was however received, which is now published with the permission of the Government:—

Colonial Secretary's Office, Jamaica, 17th December, 1901.

SIR,

I am desired by the Governor to inform you that, in connection with the organization of the Agricultural Services of this Government under the Board of Agriculture, it appears to His Excellency desirable and it is found that arrangements can conveniently be made, to transfer the work of collecting statistics of rainfall and other meteorological information, hitherto compiled by you, to the Island Chemist's Office, and that this can be done at a saving of the present expenditure for the purpose. His Excellency therefore proposes to relieve you of these duties from and after the 31st of March next.

2. In arriving at this decision, the Governor has not been unmindful of the services you have been good enough to render in this connection for many years past, and His Excellency desires me to convey to you an expression of his recognition of their value.

3. I am to ask that you will be so good as to furnish me with such information, in the form of lists of correspondence, &c., as may be necessary to enable the Island Chemist to arrange for the continuance of the work from the date mentioned.

I have, &c.,

(Sgd.)      SYDNEY OLIVIER, Colonial Secretary.

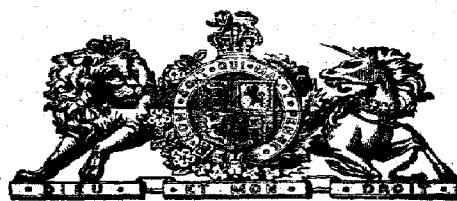
Maxwell Hall, Esq., Montego Bay.

Under these circumstances it seemed convenient to close Vol. III. with the February Report, the materials of which were of course collected during March; and it now only remains for me to thank the contributors to the Weather Reports for their careful voluntary work and their punctuality in sending up their returns. For some time past each Weather Report has been most creditable to the contributors; and with regard to their number, in Bartholomew's recently published Physical Atlas, Vol. III., the map showing the distribution of Meteorological Stations of all kinds over the world gives the largest number per square mile to the British Isles, Denmark, Jamaica and the Straits Settlements: and no doubt the contributors will continue to maintain in the future the high character of the Jamaica Weather Reports.

MAXWELL HALL.

March, 1902.

## No. 195.



JAMAICA

## WEATHER REPORT

FOR THE MONTH OF

JANUARY, 1896.

## KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Jan. 1896.	BAROMETER.*												WIND.						Total Miles of Wind.	
	7 a.m.			3 p.m.			Mean.	Thermometers (F.)						Dew Point and Humidity.			Direction (from) and miles per hour.			
	I.	II.	L.	III.	II.	III.		7 A.M.	3 P.M.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Mean (for the day).			
30 or 29	30 or 29	30 or 29	30 or 29	30 or 29	30 or 29	30 or 29		°	°	°	°	°	°	°	N	1	SSE	3	5	
1	.963	.945	.960	.998	.927	.980	.927	68.5	85.8	87.3	68.8	18.5	66.3	90	65.0	50	N	1	SSE	
2	.981	.008	.961	.006	.062	.67.1	.94.3	87.5	66.2	21	65.2	93	68.7	80	N	1	SSE	6	73	
3	.929	.911	.969	.006	.010	.71.3	.94.5	86.4	69.7	19.8	67.2	81	68.7	54	N	1	SSE	4	101	
4	.945	.027	.960	.009	.018	.69.7	.86.4	86.6	69.2	17.6	63.2	81	68.7	58	N	1	S	4	102	
5	.012	.994	.936	.956	.990	.70.3	.83.9	85.2	69.7	15.5	62.3	76	66.0	55	N	1	SNE	3	20	
6	.006	.990	.957	.006	.998	.70.0	.78.3	80.5	69.4	11.1	68.2	94	69.6	77	N	1	S	2	45	
7	.023	.004	.944	.993	.993	.66.1	.78.2	85.2	65.3	19.9	68.7	92	70.4	77	N	0	NE	3	22	
8	.997	.979	.916	.964	.972	.72.6	.82.4	84.6	.71.7	12.9	67.1	88	68.5	63	N	0	SSE	3	24	
9	.955	.937	.871	.920	.928	.66.4	.82.0	84.0	65.7	18.3	58.6	76	68.6	53	N	1	SE	3	29	
10	.980	.912	.884	.888	.898	.66.6	.79.8	83.2	65.1	20.1	61.7	84	68.8	69	N	1	SSE	4	95	
11	.913	.806	.890	.940	.918	.69.4	.79.4	82.2	68.8	13.4	60.1	72	69.6	72	N	1	SW	5	219	
12	.992	.974	.866	.914	.944	.70.7	.80.4	87.3	67.4	19.9	60.8	71	66.5	65	N	1	SE	4	81	
13	.009	.991	.935	.984	.988	.66.8	.84.6	85.3	65.8	19.5	60.0	79	66.0	64	N	1	S	3	72	
14	.011	.993	.926	.974	.984	.68.9	.83.7	86.1	68.4	17.7	61.6	78	65.9	64	Z	0	SSE	4	107	
15	.002	.984	.918	.962	.973	.66.6	.83.2	85.5	.62.7	12.8	57.4	80	62.8	50	Z	7	S	2	86	
16	.964	.946	.923	.972	.969	.68.1	.81.4	85.3	64.5	20.8	60.3	82	66.4	61	N	1	SE	3	68	
17	.974	.956	.908	.957	.966	.69.4	.75.4	81.7	68.8	12.9	67.4	93	72.5	91	Z	1	SE	4	93	
18	.006	.988	.942	.991	.990	.69.1	.81.1	82.3	68.3	14.2	65.2	88	67.7	64	Z	0	SSE	3	67	
19	.983	.965	.926	.975	.970	.68.2	.82.3	83.8	67.8	16.0	64.6	88	69.4	65	Z	0	SSE	3	63	
20	.971	.953	.911	.960	.956	.67.4	.82.1	83.9	66.9	17.0	64.3	90	68.9	64	Z	0	S	2	52	
21	.986	.920	.875	.924	.922	.66.6	.80.6	82.2	65.9	16.3	65.5	96	67.5	65	Z	5	SSW	2	56	
22	.902	.884	.881	.900	.892	.66.3	.81.6	83.2	65.5	17.7	63.6	91	67.2	62	Z	0	SE	3	74	
23	.920	.912	.870	.919	.916	.66.7	.82.5	84.2	66.1	18.1	62.9	88	69.0	64	Z	0	SE	5	107	
24	.964	.946	.924	.973	.960	.67.5	.83.6	84.8	67.1	17.7	62.0	88	68.3	60	Z	0	SE	5	110	
25	.993	.949	.989	.998	.989	.69.2	.82.8	85.3	68.7	16.6	64.0	94	69.1	63	Z	0	SE	6	139	
26	.010	.992	.962	.011	.002	.70.5	.81.0	82.3	68.4	18.9	61.8	74	66.3	62	N	1	SE	4	90	
27	.992	.974	.930	.979	.976	.69.4	.83.2	84.0	68.8	15.2	65.7	88	67.8	51	N	1	SSE	4	85	
28	.978	.989	.983	.988	.983	.72.6	.83.4	84.1	72.3	11.6	67.5	84	67.2	58	N	2	SE	4	66	
29	.000	.982	.964	.003	.002	.68.4	.81.9	84.5	67.3	17.2	68.9	86	67.2	61	N	1	SE	4	79	
30	.027	.009	.954	.003	.006	.65.5	.83.6	85.3	65.3	20.0	68.1	92	71.1	66	Z	0	SSW	3	66	
31	.001	.983	.964	.013	.988	.67.3	.81.9	84.3	66.2	18.1	59.7	77	65.0	57	Z	0	SW	6	78	
Means.	29.989	29.971	29.928	29.972	29.972	68.4	82.1	84.6	67.5	17.1	63.3	84	67.7	62	N	5	SE by S	6.0	85.0	

\* Explanation. Bar. I.—Barometer reduced to Standards of Kew (for instrumental error), of Temp. 32°, of Mean Sea level and of standard Gravity at Lat. 45°.  
 Bar. II.—Barometer further reduced to Diurnal Mean (Corr. being for this month, at 7 a.m.—.018 in. and at 3 p.m. + .049 in.).



## KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Jan. 1896.	Clouds (in tenths of the sky).						Rainfall. In.	Weather: Remarks, &c.		
	7 a.m.			8 p.m.						
	Lower.	Middle.	Upper.	Lower.	Middle.	Upper.				
1	...	...	1 Cum.	E.	3 Cir. & Cir. Str.	...	1 Cum.	4 Cir. s.		
2	...	...	...	...	...	...	0.00	Fine a.m. Fair p.m.		
3	...	...	...	...	2 Str. Cum.	1 Cum.	6 Cir. & Cir. s.	Fine a.m. Cloudy p.m.		
4	...	...	1 Cum.	4 Cir. & Cir. s.	...	2 Cum. SE.	3 Cir. s.	Fine a.m. Cloudy p.m.		
5	...	...	...	...	...	1 Cum. NE.	4 Cir. & Cir. s.	Fair. Rain from 10 p.m. to about mid- night.		
6	5 Str. Cum.	1 Cum.	1 Cir. s.	1 Alt. Str.	4 Alt. Cum.	1 Cir. s.	0.05	Cloudy. Rain at intervals during the day.		
7	1 Nim.	...	...	6 Str. Cum.	1 Alt. Cum.	...	0.00	Fair a.m. Cloudy p.m.		
8	2 Alt. Str.	...	3 Cir & Cir. s.	...	2 Cum.	...	0.00	Cloudy a.m. Fine p.m.		
9	2 Str. Cum.	5 Alt. Cum.	1 Cir. s.	...	1 Alt. Cum.	2 Cum. SE.	0.00	Fine.		
10	...	...	...	...	1 Alt. Cum.	1 Cir.	0.14	Fine a.m. Cloudy p.m. Rain at 12.57 to 1.4 p.m. and from 4.12 to 5.5 p.m.		
11	...	1 Cum.	1 Cir & Cir. s.	6 Str. Cum.	2 Cum.	...	0.00	Fine.		
12	5 Str. Cum.	...	2 Cir. & Cir. s.	1 Str. Cum.	1 Cum.	1 Cir. s.	0.00	Cloudy a.m. Fine p.m.		
13	...	...	...	...	2 Cum. Nim.	1 Cir. s.	0.00	Fine.		
14	...	...	...	...	1 Cum.	2 Cir. s.	0.00	Fine.		
15	...	...	...	...	2 Alt. Cum.	...	0.00	Fine.		
16	...	...	...	3 Alt. Str.	1 Alt. Cum.	...	0.18	Fine a.m. Cloudy p.m. Light rain at 3.42 to 3.48 p.m. also at 7.15 to 7.26 p.m. and from 10 p.m.		
17	6 Alt. Str.	...	...	3 Alt. Str.	2 Cum. SE.	2 Cir. s.	0.47	Cloudy. Light rain at 8.12 to 8.30 a.m. and at intervals during the day.		
18	4 Str. Cum.	...	...	4 Str. Cum.	1 Alt. Cum.	4 Cir. & Cir. s.	0.00	Cloudy.		
19	3 Alt. Str.	1 Cum.	1 Alt. Cum.	...	1 Cum. SE.	...	0.00	Fine a.m. Cloudy p.m.		
20	4 Str. Cum.	...	...	2 Str. Cum.	2 Cum. SE.	...	0.51	Fine. Rain at 5.55 to 7.5 p.m. and at 8.55 to 9.30 p.m.		
21	...	...	...	...	3 Cum.	...	0.00	Fine.		
22	...	1 Cum.	...	...	1 Cum. SE.	...	0.00	Fine.		
23	...	1 Cum.	...	...	1 Cum. SE.	...	0.00	Fine.		
24	...	...	1 Cir.	...	2 Cum.	3 Cir. & Cir. s.	0.00	Fine.		
25	...	2 Cum. SE.	...	...	2 Cum.	...	0.00	Fine.		
26	8 Alt. Str.	2 Str. Cum.	...	...	3 Alt. Cum.	2 Cir. s.	0.08	Cloudy a.m. Rain at 9.16 to 10.46 a.m. Fair p.m.		
27	...	2 Cum.	...	...	2 Cum. SE.	...	0.00	Fine.		
28	2 Alt. Str.	4 Alt. Cum.	...	5 Alt. Str.	3 Cum.	1 Cir. s.	0.00	Cloudy. Earthquake reported about 10.35 p.m.—two shocks.		
29	1 Str. Cum.	1 Cum.	...	...	1 Alt. Cum.	1 Cir. s.	0.00	Fine.		
30	...	2 Alt. Cum.	1 Cum. E.	...	2 Cum.	...	0.00	Fine but hazy a.m. Fine p.m.		
31	...	1 Cum.	...	2 Str. Cum.	1 Cum.	1 Cir. s.	0.00	Fine.		
Means	15 o/o	8 o/o	5 o/o	13 o/o	20 o/o	12 o/o	1.51	Fine.		
Total										

## RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.								EXTREMES FOR THE MONTH.								Total Rainfall.		
		Temperature.					Dewpoint.		Humidity.	Temperature.										
		7 a.m.	8 p.m.	Max.	Min.	Range.	7 a.m.	8 p.m.	7 a.m.	8 p.m.	Max.	Date.	Min.	Date.	Range.					
	ft.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	In.		
King's House	400	67.2	82.9	86.2	60.7	25.5	64.4	72.7	90	71	90	3*	55	11&15	35	1.50				
Castleton Gardens	580	65.1	77.1	80.9	61.5	19.4	64.8	69.9	96	79	86	2 & 5	55	15	31	12.38				
Hope Gardens	600	65.5	80.5	85.1	64.4	20.7	63.3	74.1	90	79	88	3, 4 & 5	59	15	29	1.85				
Stony Hill Refty.	1,400	67.8	75.2	80.8	68.0	17.3	62.2	70.2	82	84	86	2	53	16	28	4.70				
Cinchona Plantation	4,907	54.9	61.7	64.9	52.2	12.7	50.7	51.2	86	75	69	1	48	9	21	7.80				

\* Also 3 other days.

## THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	JANUARY.	
	1896.	Average.
<b>Infantile diseases not otherwise specified</b>		
Lung diseases	34	21
Fever and Malaria	13	19
Dysentery and Diarrhoea	11	10
Various	13	9
Total	51	58
	122	117

## CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

		in.
Barometric pressure	7 a.m.	25.359
" "	3 p.m.	25.343
Temperature—		
6 feet underground	7 a.m.	61.1
" "	3 p.m.	61.1
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		35.6

## BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain	Remarks.	Observer's Initial.
		Max.	Min.				
1896.		°	°	°	in.		
January 31st	... 12.15 p.m.	67.9	35.8	45	16.64	Raining steadily.—cold	W. H.

NOTE.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level and to standard Gravity at latitude 45°. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

## RAINFALL FOR JANUARY 1896.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the result of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.	JANUARY.				
	1896.				
	Total	Greatest fall in 24 hours.	Days on which fall or more fell.	Date.	Average.
		Amount.			
Hordley	9.42	2.02	16	11	6.69
Manchioncal	4.80	2.30	22	3	...
Bath P. W. D.	7.98	1.59	27	16	...
Mt. Ephraim	5.94	2.00	16	11	...
Port Antonio P. W. D.	9.17	2.75	20	15	10.02
Fellowship P. W. D.	18.04	3.20	7	19	...
Serge Island	5.19	1.96	20	9	...
Coley Estate	7.18	3.40	20	9	...
Burlington	7.25	3.55	21	8	...
Shrewsbury P. W. D.	34.42	7.00	7	17	...
Cedar Valley P. W. D.	5.94	1.59	19	10	...
Green Vale	...	...	...	...	...
Cinchona Plantation	7.76	2.65	6	14	8.32

NORTH-EASTERN DIVISION, contd.	JANUARY.				
	1896.				
	Total Fall.	Greatest fall in 24 hours.		Days on which fall or more fell.	Date.
		Amount.	Date.		
Resource	22.20	in.	in.	...	...
Buff Bay P. W. D.	15.21	4.25*	20	16	...
Cold Spring	5.45	1.77	6	7	...
Hardware Gap	9.50	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	5.54	.90	7†	...	...
Stony Hill Refty.	4.70	1.25	20	9	4.31
Castleton Gardens	12.18	2.60	5	17	8.86
Lawrence's Tavern P. W. D.	2.28	1.10	20	4	...
Albany, P.W.D.	4.84	.95	20	16	...
Quebec	4.01	.85	27	12	8.17
Richmond P. W. D.	5.17	1.47	6	12	...
Highgate P. W. D.	5.66	1.07	7	16	...
Gayle	8.70	2.00	20	10	8.21
Gayle P. W. D.	8.82	1.86	20	22	...
Rio Hoe	4.74	1.39	20	11	6.05
Unity Valley	5.85	1.57	20	15	5.28
Moneague P. W. D.	...	...	...	...	...
Clarendon	4.87	.99	20	10	...
Albion	3.91	1.65	6	11	5.35
Averham Park	4.98	1.33	5	16	5.64
Means	6.86	...	...	...	6.95

\*in. 2½ hours.

† and 27

JANUARY.						JANUARY.					
NORTHERN DIVISION		1896.				1896.					
		Total	Greatest fall in 24 hours.			Total	Greatest fall in 24 hours.			Days on which .01 or more fell	Average
			Fall	Amount.	Date.		Fall.	Amount.	Date.		
Port Maria P. W. D.	In.	6.73	1.55	21	15	in.	Tryall	in.	in.	...	1.92
Drax Hall	6.11	1.45	20	13	7.08	Sandy Bay P. W. D.	4.25	1.27	17	6	...
St. Ann's Bay P.W.D.	...	...	...	...	...	Kew	...	...	...	...	2.32
Seville	...	...	...	...	6.01	Lucea P. W. D.	4.08	1.13	17	8	...
Richmond Estate	11.25	...	...	...	6.88	Haughton Court	...	...	...	...	2.94
Llandovery	13.25	2.90	20	13	3.19	Orange Cove	...	...	...	...	3.08
Brown's Town P.W.D.	5.33	1.89	17	12	...	CENTRAL SUB-DIVISION—					
Home Castle	6.29	1.53	17	8	5.41	Headworks, R. C. O.	2.43	2.10	20	3	2.57
Richmond Pen	3.78	1.15	17	8	4.49	Linstead P. W. D.	2.48	1.00	20	4	2.63
Mahogany Hall	5.45	1.66	10	10	4.30	Point Hill, P.W.D.	4.26	1.63	17	7	...
Braco	4.92	1.90	17	9	4.37	Harker's Hall P.W.D.	2.73	.64	10	10	...
Arcadia	5.58	1.63	10	11	4.93	Chapelton P. W. D.	...	...	...	...	2.55
Arcadia Great House	4.70	1.55	17	8	...	Danks-Savoy	3.82	1.44	19	7	...
Harmony Hall	...	...	...	...	3.93	Cave Valley	6.05	1.55	17	8	2.45
Lancaster	5.24	1.80	17	11	4.73	Means	5.61	...	...	...	4.12
Vale Royal	6.79	2.26	17	16	5.09	WEST CENTRAL DIVISION.					
Colchis Pen	2.23	1.11	19	14	2.91	Mocho	6.58	3.05	19	9	...
Hyde	6.25	2.42	17	14	5.12	Baillieston	...	...	...	...	...
Georgia	...	...	...	...	4.05	Farm Plantation	8.75	6.05	17	9	2.68
Steelfield	5.64	2.78	17	9	4.85	Brockenhurst Pln.	7.97	6.30	17	4	5.33
Oxford	4.95	2.00	17	9	4.11	Christiania P. W. D.	4.63	3.00	17	6	...
Cambridge	4.13	1.40	17	10	5.29	Kendal P. W. D.	11.07	6.67	17	5	...
Lottery	3.70	1.80	17	8	4.08	Mandeville P. W. D.	7.93	5.45	17	13	3.87
Hampstead	6.70	2.50	17	5	...	Marshall's Pen	...	...	...	...	3.01
Falmouth	7.80	...	...	...	3.46	Ulster Spring P.W.D.	8.65	1.78	17	11	...
Falmeuth P. W. D.	7.67	2.65	17	10	...	Troy	...	...	...	...	...
Foftabelle	4.60	3.10	17	8	...	Windsor Pen	3.99	1.28	17	11	3.96
Martha Brae	...	...	...	...	...	Balaclava P. W. D.	1.43	.64	28	4	...
Holland Pen	6.59	2.60	17	6	2.98	Elim	3.24	1.31	28	5	...
Pembroke	...	...	...	...	3.96	Appleton	1.57	.60	28	7	2.21
Golden Grove	...	...	...	...	2.89	Magoty P.W.D.	4.16	2.21	28	10	...
Green Park	7.69	2.12	17	11	4.19	Spring Vale	5.75	1.54	17	10	4.68
Tilston	...	...	...	...	3.45	Maroon Town	...	...	...	...	3.78
Weston Favell	4.02	1.77	17	11	3.24	Kempshot	9.40	5.05	2	8	3.91
Orange Valley	...	...	...	...	3.64	Kepp	2.50	1.28	28	7	3.36
Kent	5.82	1.75	...	8	4.35	Kew Park	2.15	.90	17	6	2.05
Dundee	5.24	1.90	17	8	4.07	Mount Carey	6.17	2.50	10	7	...
Phoenix	3.85	1.10	17	11	3.62	Windsor Forest	...	...	...	...	3.88
Gale's Valley	...	...	...	...	3.26	Chester Castle	...	...	...	...	1.72
Greenwood	5.69	1.62	...	8	3.27	Darliston P. W. D.	2.68	.71	18	7	...
Canaan	5.30	1.50	17	7	...	Whithorn, P. W. D.	2.58	.87	10	5	...
Content	...	...	...	...	...	New Galloway	1.70	.90	17	3	...
Bellfield	4.40	1.45	17	7	...	Letho Bridge	4.35	1.50	11	5	...
Guilsbro'	4.52	1.10	28	10	2.84	Copse	3.13	1.00	10	5	2.92
Tryall	6.52	2.10	2	10	...	Cacoon Castle	6.95	3.10	2	6	4.44
Leogian	...	...	...	...	5.60	Golden Grove	...	...	...	...	3.08
Success	4.95	2.00	17	8	...	Great Valley	5.85	1.82	10	...	...
Cinnamon Hill	6.76	1.56	10	9	3.04	Brownsville	6.15	1.89	20	9	...
Rose Hall	6.39	1.25	17	9	3.40	George's Palin Estate	1.25	.83	10	3	...
Running Gut	...	...	...	...	3.28	Fontabelle	...	...	...	...	2.14
Spring	...	...	...	...	...	Morgans Bridge PWD	2.21	.63	10	5	...
Ironshore	...	...	...	...	2.77	King's Valley	3.15	1.25	17	5	2.46
Friendship	...	...	...	...	...	Abingdon	1.10	.60	25	2	1.63
Providence	...	...	...	...	3.15	Means	4.95	...	...	...	3.31
Montego Bay P. W. D.	3.52	2.14	17	5	...						
Catherine Hall	...	...	...	...	3.71						
Catherine Mount	...	...	...	...	4.40						
Fairfield	7.40	2.04	1	7	3.38						
Anchovy	...	...	...	...	2.82						
Eden	...	...	...	...	3.07						
Wiltshire	...	...	...	...	3.08						
Round Hill	2.30	.80	17	7	1.95						
Flint River	...	...	...	...	...						

SOUTHERN DIVISION.	JANUARY.					
	Total	1896.				
		Fall.	Greatest fall in 24 hours.	Date.	Days on which .01 or more fell.	Average.
			Amount.	Date.	Days on which .01 or more fell.	Average.
Morant Point L. H.	in.	in.	1.09	27	14	4.10
Morant Bay, P. W. D.	5.20	2.7	16	7	...	...
Lysasons	4.88	1.30	16	9	...	...
Easington P. W. D.	3.51	1.01	19	9	...	...
Abbey	4.04	1.00	16	14	3.35	...
Bull Bay P. W. D.	2.76	1.52	20	4	...	...
Gordon Town	3.56	.90	12	9	...	...
Hope Gardens	...	...	...	...	2.27	...
Hope Reservoir	...	...	...	...	...	...
Cherry Garden	2.74	.57	20	8	2.62	...
King's House	1.50	.70	10	4	1.54	...
Cavaliers	...	...	...	...	...	...
Shortwood	...	...	...	...	...	...
Constant Spring	...	...	...	...	...	...
Monaltrie	3.05	1.18	18	10	1.64	...
Halfway-Tree P.W.D.	2.03	.82	17	7	...	...
Camperdown	...	...	...	...	...	...
Public Works Office Kn.	1.51	.51	20	7	1.45	...
Plumb Point L. H.	1.83	.67	20	6	1.03	...
Ferry P. W. D.	1.39	.40	10	6	...	...
Caymanas	2.25	.60	20	8	...	...
Spanish Town P.W.D.	2.79	.90	20	8	1.80	...
Windsor Park	...	...	...	...	1.50	...
Hog Hole Pen P.W.D.	1.91	.56	20	4	2.02	...
Old Harbour P.W.D.	2.70	1.32	19	7	2.62	...
Somerset Hall	2.64	1.77	19	2	...	...
May Pen P. W. D.	1.52	.39	18	8	...	...
Hermitage	1.75	.82	17	6	...	...
Denbigh	...	...	...	...	1.51	...
Yarmouth P.W.D.	...	...	...	...	...	...
Victoria Town P.W.D.	4.04	2.10	17	5	...	...
Stone's Hope	6.02	4.25	17	8	3.49	...
Newport P. W. D.	4.40	2.00	17	6	...	...
Alligator Pond P W D	2.15	1.67	17	2	...	...
Potsdam	3.69	1.06	28	9	2.53	...
Long Hill	3.21	1.09	13	6	2.25	...
Pepper	5.21	2.10	28	9	1.75	...
Torrington P. W. D..	3.21	.91	13	7	...	...
Bethlehem	4.93	.49	10	13	...	...
Santa Cruz P.W.D	2.31	1.80	28	4	...	...
Holland	4.22	1.95	20	7	...	...
Black River P. W. D.	1.25	.30	26	6	...	...
Whitehall	...	...	...	...	...	...
Font Hill	.48	...	...	3	...	...
Grand Vale	...	...	...	...	...	...
Peter's Ville	1.30	.45	28	8	...	...
Mount Edgecombe	1.95	.92	28	6	1.89	...
Sweet River	1.82	.58	10	6	2.09	...
Windsor, Sav.-la-Mar.	1.12	.43	10	6	1.97	...
Sav.-la-Mar P. W. D.	1.37	.50	28	6	...	...
Retreat	...	...	...	...	...	...
Negril Pt. Lighthouse	1.98	1.03	17	5	...	...
Means	...	2.92	...	...	2.24	...

COMPARATIVE TABLE OF RAINFALL.  
(Based upon the "Average" Stations only.)

JANUARY.	
1896.	Average.
In.	In.
North Eastern Division	6.86
Northern "	5.61
West Central "	4.95
Southern "	2.92
Means	5.08
	4.16

The greatest monthly fall, viz. 34.42 inches was recorded at Shrewsbury, and the smallest, viz. .48 at Font Hill. The greatest fall in 24 hours was 7.00 at Shrewsbury on the 7th. The greatest number of days on which rain fell at any one place was 22 at Gayle. Nine stations had in 24 hours falls of between 3 and 5 inches; five falls of between 5 and 7 inches; and one station had falls between 7 and 10 inches in 24 hours.

The mean approximate rainfall for the whole Island for January as arrived at on the 4th February, was 5.03. This result was obtained from 26 stations with "averages." The results shown in the "Comparative Table" now published are from 73 such stations and show a mean rainfall for the island of 5.08 compared with an average fall of 4.16 inches.

It will thus be seen that the rainfall for the island as a whole was a fourth as much again as the average and that every Division had more than this, except the N. E. Division, which had just about the average.

The following notes have come to hand with regard to the rainfall: *Richmond Estate*—Oct. '95, 15 inches; Nov. 15 inches; Dec. 11 inches; Jan. '96 11 inches. This is considerably above the average for the last 6 years, in fact it is the heaviest rainfall I can find recorded here for any four months. We are still (24th February) having heavy weather and the fall so far for this month is 19 inches. (*F. L. Clarke*)

*Windsor Pen*—Heavier rainfall for the month than any January since 1877.

*Manchester (Parish of)*—Rainfall unusually heavy for January. The general fall on 17th was quite unprecedented in the memory of the oldest inhabitant. (*T. C. Garrett*)

*Brockenhurst*—An unusually wet week from 10th to 19th: all the rest of the month very dry—no rain for about 6 weeks till 10th. (*W. W. Wynne*)

#### EARTHQUAKES.

There was a double shock of earthquake felt over all but the N. E. corner of the island on the 28th, of which the following accounts have come to hand. (The order in which the stations are placed is from the east going westwards for the line of northern parishes, and the reverse for the line of southern parishes.)

*Unity Valley*.—A shock of earthquake at 10.45 p.m. 21st (no doubt meant for 28th).

*St. Ann's Bay*.—The earthquake referred to below also felt at and about St. Ann's Bay. (*Supt. P. W.*)

*Brown's Town*.—Asst. Supt. reports severe shock of earthquake felt in Brown's Town at about 11 p. m. on the night of the 28th January, apparently from east to west.

*Mahogany Hall*.—Two shocks of earthquake on 28th at 10.45 p. m.

*Vale Royal*.—Smart earthquake about 10.35 p. m. on 28th, two distinct tremors; time between first and final vibrations about 30 seconds. (*Jos. Shearer*).

*Falmouth*.—On the night of the 18th (28th?) two shocks of earthquake felt at 10.30. (*W. T. Atkinson*).

*Windsor Pen*.—Shock of earthquake on 28th inst. at 10.45 p. m.

*Spring Vale*.—Severe shock of earthquake felt at 10.36 p. m. 28th. (*Henry J. Whiting*).

*Belfield*.—Slight shocks from earthquakes felt here at 10.30 p. m. Jan. 27th (28th?).

*Cinnamon Hill*.—Earthquake on 28th at 10.30 p. m. Two distinct sharp shocks—house creaked and all windows shook. Some liquor was pitched out of a full vat in still-house. (*J. Shore*.)

*Fairfield*.—Earthquake on 28th at 5 min. to 11 p. m.

*Cope*.—A severe shock of earthquake on the 28th.

*Round Hill*.—Severe shock of earthquake on night of Tuesday the 28th at 10.50.

*Great Valley*.—On Tuesday night, 28th January, severe earthquake at 10.20 p. m. by my time. There were two distinct shocks, lasting altogether I should say 10 seconds. It appeared to me to travel from the westward to eastward as it began shaking the house on its west side and left off at the east. (*Martin S. Strickland*.)

*Brownsville.*—Violent shock of earthquake 28 Jan. 10.19 p. m. (*John F. Gartshore.*)

*Kew Park.*—Slight earthquake about 10.40 p. m. on 28th. (*J. R. W.*)

*Black River.*—At 10.45 on 28th slight shock of earthquake lasting for about 15 seconds. (*Supt. P. W.*)

*Pepper.*—Slight shock of earthquake on the 29th (sic) at 11.30 p. m.

*Stones Hope.*—Slight shock of earthquake about 10.30 p. m. 28th (*Richd. W. Miles.*)

*Spanish Town.*—Earthquake at 10.33 p. m. on 28th two shocks. The first was a sharp one and opened a door which was ajar ; the second following immediately after but was not nearly so severe a shock. It was a very still calm night ; the day had been very warm and close, and a heavy shower of rain fell between 5 and 7 p. m. (*F. S. Church.*)

The earthquake of the 28th ult. which was also felt here (but not by myself) has made a record on the duplicate seismograph which I have fixed up here. The result gives prolonged east-westerly vibrations equal to 0.006 of an inch at the extremes and accompanied by a more extensive single vibration to the north-west giving on measurement 0.014 of an inch. (*J. F. Brennan.*)

*Abbey.*—A sharp shock at 11.30 p. m. 28th. (*T. F. Manners.*)

This earthquake was also felt by several people in Kingston and also at Kensington Cottage near Constant Spring, St. Andrew, but not by the undersigned.

The only parishes from which no reports have been

received are Portland, St. Mary, and Clarendon. The latter parish is however, surrounded by parishes in which the earthquake was felt so that no doubt it was also felt in Clarendon although not so reported. It may or may not have been felt in Portland and St. Mary.

No. 2.—An earthquake was also reported to have been felt in Trelawny, St. James, Hanover and St. Elizabeth on the 2nd January as follows :

*Windsor Pen.*—Slight double shock at 6.30 p. m.

*Spring Vale.*—Slight shock at 6.37 p. m.

*Bellfield.*—Slight shock at 6.30 p. m.

*Brownsville.*—Slight shock at 6.25 p. m.

*Kepp.*—Slight shock at 6.30 p. m.

*Pepper.*—Slight shock at 6.30 p. m.

ROBT. JOHNSTONE.

Kingston, 23rd March, 1896.

Note.—The issue of this report has been awaiting the issue of W. R. s. Nos. 192, 193, and 194, and the Introduction, &c. to Volume II.

N.B. With the commencement of 1896, there will be noticed changes in the Kingston Meteorological Results under the headings Barometer and Clouds. In column I. of the Barometer it will be observed from the explanation at the foot that the additional correction (—.063 inches) for reduction to standard gravity at Lat. 45° is now used and that an additional column in respect of each observation gives the reading of the barometer further reduced to the Diurnal Mean. With regard to the Clouds, these are shown under three columns Lower, Middle and Upper, in accordance with the classification given in W. R., No. 193.

No. 196.



JAMAICA

# WEATHER REPORT

FOR THE MONTH OF

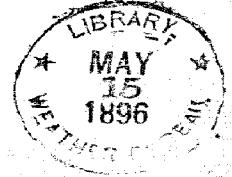
FEBRUARY, 1896.

## KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Feb. 1896.	BAROMETER.*						Thermometers (F.)				Dew Point and Humidity.		WIND.				Total Miles of Wind.			
	7 a.m.		3 p.m.		Mean.								Direction (from) and miles per hour.							
	I.	II.	I.	II.	II.		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Mean for the day.				
1	30 or 29	30 or 29	30 or 29	30 or 29	30 or 29		°	°	°	°	°	°	°	N	1	SSE	4	103		
2	.027	.010	.944	.992	.001		65.8	82.2	84.5	65.8	18.7	60.2	82	63.2	53	NE	1	SE	6	163
3	.990	.973	.956	.004	.988		69.4	82.6	84.9	65.9	19.0	61.2	75	66.1	58	N	1	SE	5	118
4	.984	.967	.910	.958	.962		65.7	81.7	84.4	66.3	18.1	61.1	82	67.3	62	N	1	SE	4	104
5	.932	.915	.825	.873	.804		68.2	79.3	86.3	65.9	20.4	58.7	72	68.0	68	N	0	SE	6	151
6	.894	.877	.817	.865	.871		67.8	82.8	84.9	67.3	17.6	64.0	88	68.8	63	Z	0	SE	10	156
7	.916	.899	.877	.926	.912		77.4	84.6	85.8	76.7	9.1	72.1	84	71.7	65	NE	1	SE	7	106
8	.963	.946	.924	.972	.958		70.9	82.7	85.6	71.1	14.5	66.5	86	71.2	68	Z	0	SE	4	98
9	.968	.961	.924	.972	.962		76.1	84.3	84.3	72.8	11.6	72.5	89	68.6	53	SE	3	SE	7	161
10	.016	.999	.909	.957	.978		74.4	88.9	86.8	73.6	12.9	68.2	81	70.3	64	NE	1	SE	8	93
11	.078	.061	.974	.022	.042		67.4	88.4	89.5	67.1	23.4	63.5	88	64.9	46	Z	0	SSE	6	74
12	.029	.012	.932	.980	.996		72.9	84.4	86.7	69.3	17.4	64.5	75	69.8	61	N	1	SW	7	85
13	.014	.997	.906	.954	.976		67.6	88.6	91.1	67.8	23.2	62.4	84	67.9	56	Z	0	SE	11	97
14	.994	.977	.933	.981	.979		70.7	86.0	87.4	70.0	17.4	59.3	67	66.4	52	NE	1	SE	11	157
15	.017	.000	.830	.878	.939		68.1	86.5	89.9	67.1	16.7	58.3	71	66.7	52	N	1	SE	12	103
16	.017	.000	.909	.957	.978		70.8	84.3	86.7	68.0	18.7	62.7	76	69.2	61	N	1	SE	14	141
17	.954	.937	.891	.929	.938		74.3	85.7	88.1	69.3	18.3	65.7	73	67.4	55	SE	2	SE	13	144
18	.329	.912	.875	.923	.918		71.2	84.4	85.9	69.1	16.8	66.1	84	70.0	62	N	1	SE	9	124
19	.984	.967	.927	.975	.971		69.5	82.4	83.0	68.2	14.8	65.4	87	66.7	59	NN	4	N	7	165
20	.938	.981	.898	.946	.964		69.7	84.2	85.6	68.9	16.7	64.9	85	69.3	61	N	1	SE	0	68
21	.043	.026	.968	.016	.021		69.8	83.5	85.1	68.7	16.4	67.0	91	66.1	54	N	1	SE	7	92
22	.047	.030	.000	.048	.039		72.4	75.6	82.8	70.9	11.9	66.6	82	70.2	84	NE	1	NW	3	55
23	.057	.040	.970	.018	.029		69.4	83.2	84.9	68.9	16.0	67.4	93	66.3	57	Z	0	SW	5	31
24	.046	.029	.987	.035	.032		69.1	82.9	85.9	67.6	18.3	64.8	86	66.9	59	N	1	N	0	56
25	.008	.991	.959	.007	.999		70.4	77.1	84.9	69.3	15.6	66.2	87	69.6	80	N	1	SE	4	96
26	.979	.962	.916	.964	.963		68.8	83.4	84.4	68.3	16.1	65.4	89	69.7	64	NE	1	SE	6	82
27	.959	.923	.860	.898	.910		68.6	81.2	81.9	68.1	13.8	67.2	95	67.4	63	NE	1	SE	6	73
28	.935	.918	.878	.926	.922		70.1	81.6	83.6	70.8	12.8	67.5	87	67.9	63	Z	0	SE	9	106
29	.950	.933	.898	.946	.940		76.6	82.7	83.8	74.8	9.0	69.6	79	68.7	70	SE	1	SE	10	164
Means.	29.987	29.970	29.913	29.961	29.966		70.7	83.2	85.6	69.4	16.2	65.1	83	68.1	61	N	1.0	SE	8.2	109.4
																S				

\* Explanation. Bar. I.=Barometer reduced to Standards of Kew (for instrumental error), of Temp. 32.<sup>o</sup> of Mean Sea level and of standard Gravity at Lat. 45.<sup>o</sup>  
Bar. II.=Barometer further reduced to Diurnal Mean (Corr. being for this month, at 7 a.m.—.017 and at 3 p.m. + .048).



## KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Feb. 1896.	Clouds (in tenths of the sky).						Rainfall. In.	Weather: Remarks, &c.		
	7 a.m.			3 p.m.						
	Lower.	Middle.	Upper.	Lower.	Middle.	Upper.				
1										
2	3 Alt. Str. 4 Str. Cum.	1 Cum.	1 Cir. s.		2 Cum. SE.		0.00	Fine.		
3	...	1 Cum.		3 Str. Cum.	2 Alt. Cum.		0.00	Cloudy a.m. Fine p.m.		
4	...	1 Alt. Cum.		2 Str. Cum.	4 Alt. Cum.	2 Cir. s.	0.00	Fine but hazy a.m. Fair p.m.		
5	...	4 Cum.			1 Cum. SE.		0.00	Fair a.m. Cloudy p.m.		
6	...	2 Alt. Cum.			3 Cum. SE.		0.00	Fine.		
7	5 Str. Cum. SE.	3 Cum. SE.		8 Nim.	1 Alt. Cum.	1 Cir. s.	0.00	Cloudy a.m. Fair p.m.		
8	...	1 Cum. SE.			3 Cum. SE.	1 Cir. s.	0.00	Fine a.m. Fair p.m.		
9	1 Alt. Str.	...		2 Alt. Str. 4 Str. Cum.	1 Cum.	1 Cir. s.	0.00	Fine.		
10	...				1 Alt. Cum.		0.00	Fine a.m. Cloudy p.m.		
11	2 Alt. Str. E.	2 Alt. Cum. E.			1 Cum. NE.		0.00	Fine.		
12	...	1 Cum. E.			2 Alt. Cum.		0.00	Cloudy a.m. Fine p.m.		
13	...	1 Cum. E.			2 Cum. SE.		0.00	Fine but hazy a.m. Fine p.m.		
14	...	...		2 Str. Cum.	1 Cum. SE.		0.00	Fine a.m. Fair p.m.		
15	2 Str. Cum.	3 Alt. Cum. 1 Cum. E.			2 Cum. SE.		0.00	Cloudy a.m. Fine p.m.		
16	...	2 Cum. SE.			1 Cum. SE.		0.00	Fine. Earthquake at 1.30 p.m.		
17	...	1 Cum. SE.			2 Cum. SE.		0.00	Fair.		
18	1 Alt. Str. 6 Str. Cum.	2 Alt. Cum.		4 Str. Cum. SE.	3 Alt. Cum.	1 Cir. & Cir. s. NE.	1.82	Cloudy. Strong Norther. Heavy rain between 2 and 4 a.m.		
19	...	6 Alt. Cum.	8 Cir. s.	1 Alt. Str. 8 Str. Cum.	1 Cum.		0.00	Cloudy.		
20	...	1 Cum. SE.			1 Cum. SE.		0.00	Fine but hazy a.m. Fine p.m.		
21	2 Alt. Str. 4 Str. Cum.	1 Cir. s.	1 Nim.	3 Alt. Cum.			0.01	Cloudy a.m. Raining at 8 p.m. Light showers in day and at night.		
22	...	1 Alt. Cum. 1 Cum.		7 Str. Cum.	2 Cum. E.	1 Cir. s.	0.03	Fair a.m. Cloudy p.m.		
23	...	2 Cum. E.	1 Cir. s.	7 Str. Cum.	2 Cum.		0.00	Fair a.m. Cloudy p.m.		
24	1 Str.	...	...	1 Alt. Str. 2 Str. Cum. 3 Alt. Str.	...		0.03	Fine a.m. Rain from 12.54 to 1.35 p.m. Cloudy p.m.		
25	...	...	...	...	2 Cum. SE.		0.51	Fine a.m. Rain from 6.19 to 8 p.m.		
26	1 Str. Cum.	...	1 Cir. s.	...	3 Cum. NE.		0.00	Fine.		
27	...	1 Alt. Cum.	1 Cir. s. SE.	3 Str. Cum.	1 Cum. SE.	3 Cir. s. SE.	0.00	Fair a.m. Cloudy p.m.		
28	3 Str. Cum. SE.	4 Cum. SE.	2 Cir. & Cir. s. SE.	...	3 Cum. SE.	3 Cir. & Cir. s. SE.	0.00	Cloudy a.m. Fine p.m.		
29	3 Str. Cum. SE.	...	...	...	2 Cum. SE.	2 Cir. & Cir. s. SE.	0.00	Fine.		
Means	130/o	150/o	30/o	200/o	200/o	50/o				
Total	...						2.40	Fair.		

## RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.								EXTREMES FOR THE MONTH.						Total Rainfall.	
		Temperature.					Dewpoint.		Humidity.		Temperature.						
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.		
King's House	400	68.2	83.9	87.9	61.1	26.8	63.7	72.6	87	69	93	14	55	1	88	In. 4.85	
Castleton Gardens	580	64.4	77.7	81.3	62.2	19.1	62.7	68.5	96	78	86	13*	56	3	31	8.68	
Hope Gardens	600	67.2	82.0	84.8	64.4	20.4	66.1	75.1	96	78	88	12†	58	1	31	8.75	
Stony Hill Refty.	1,400	66.8	77.0	79.6	63.5	16.1	64.3	70.4	92	80	85	13	60	4	26	4.18	
Cinchona Plantation	4,907	54.6	62.0	65.2	51.6	13.6	52.4	60.0	89	93	70	12	50	1‡	20	11.68	

\* and 15.

† and 15.

‡ and 4 other days.

## THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	FEBRUARY.	
	1896.	Average.
Infantile diseases not otherwise specified	27	24
Lung diseases	20	14
Fever and Malaria	7	8
Dysentery and Diarrhoea	11	12
Various*	58	53
Total	123	111

\* Of the Various 1 was due to Diphtheria.

## CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

		in.
Barometric pressure	7 a.m.	25.388
" "	3 p.m.	25.329
Temperature—		
6 feet underground	7 a.m.	61.0
" "	3 p.m.	61.0
Direction of the wind	...	S.E.
Velocity of the wind in miles per day		60.5

## BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain	Remarks.	Observer's Initials
		Max.	Min.				
1896.		°	°	°	in.		
January 31st	... 12.15 p.m.	67.9	35.8	45	16.64	Raining steadily.—cold	W. H.
February 29th	... 11.30 a.m.	68.9	40.8	53	20.09	Fine and clear.	D. W.

NOTE.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level and to standard Gravity at latitude 45°. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

## RAINFALL FOR FEBRUARY 1896.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the result of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.	FEBRUARY.			
	1896.			Average.
	Total	Greatest fall in 24 hours.	Date.	
	Fall.	Amount	in.	in.
Hordley	6.62	2.55	17	8
Manchioneal	15.40	9.5	17	8
Bath P. W. D.	6.53	2.09	17	19
Moore Town P.W.D.	18.95	3.65	23	18
Mt. Ephraim	...	...	...	...
Port Antonio P. W. D.	6.78	1.29	17	22
Fellowship P. W. D.	12.80	4.04	19	16
Serge Island	...	...	...	...
Coley Estate	...	...	...	...

NORTH-EASTERN DIVISION, contd.	FEBRUARY.				
	1896.		Greatest fall in 24 hours.	Date.	Days on which .01 or more fell.
	Total	Fall.			
		in.	in.	in.	in.
Burlington	...	...	...	...	...
Shrewsbury P. W. D.	17.82	4.96	19	14	...
Cedar Valley P. W. D.	5.13	3.09	17	6	...
Green Vale	...	...	...	...	...
Cinchona Plantation	11.68	3.05	17	21	3.22
Resource	4.07	...	...	...	...
Buff Bay P. W. D.	15.87	6.13	19	14	...
Cold Spring	6.58	2.60	18	7	...
Hardware Gap	8.62	...	...	...	...
Rose Hill	...	...	...	...	...
Annetto Bay P. W. D.	11.05	2.80	19*	8	...
Stony Hill Refty.	4.18	2.05	17	5	2.16
Belle Vue	...	...	...	...	...
Castleton Gardens	5.64	2.50	20	11	4.04
Lawrence's Tavern P. W. D.	2.97	.93	15	6	...
Albany, P.W.D.	12.68	3.25	20	12	...
Quebec	...	...	...	...	4.56
Richmond P. W. D.	6.83	1.38	21	9	...
Highgate P. W. D.	9.89	2.50	23	12	...
Gayle	13.55	4.25	23	8	5.43
Gayle P. W. D.	9.53	1.75	20	12	...

\* also 23.

NORTH-EASTERN DIVISIONS, contd.	FEBRUARY.						FEBRUARY.					
	1896.						1896.					
	Total	Greatest fall in 24 hours.	Date.	Days on which 0.1 or more fell.	Average.		Total	Greatest fall in 24 hours.	Date.	Days on which 0.1 or more fell.	Average.	
	Fall	Amount.	Date.	Days on which 0.1 or more fell.			Fall.	Amount.	Date.	Days on which 0.1 or more fell.		
Rio Hoe	6.26	2.92	21	9	8.64		Friendship	.	...	...		
Unity Valley	5.35	1.82	21	10	3.01		Providence	7.30	5.00	20	5	1.94
Moneague P. W. D.	5.78	2.75	21	9	...		Montego Bay P. W. D.	4.77	3.32	20	6	...
Claremont	7.68	3.51	21	7	...		Catherine Hall	...	...	...	...	2.02
Albion	5.66	1.82	20	11	3.26		Catherine Mount	...	...	...	...	1.66
Averham Park	9.97	2.58	21	18	3.54		Fairfield	6.04	4.07	20	4	1.84
Ballintoy	2.95	2.05	21	4	...		Anchovy	...	...	...	...	.37
Means	7.57	...	...	...	3.61		Eden	...	...	...	...	1.73
NORTHERN DIVISION							Wiltshire	...	...	...	...	2.10
Port Maria P. W. D.	5.51	1.07	20	14	3.95		Round Hill	...	...	...	...	1.09
Drax Hall	11.59	4.17	20	8	3.81		Flint River	...	...	...	...	...
St. Ann's Bay P.W.D.	11.14	4.55	20	16	...		Tryall	7.90	4.01	20	6	1.06
Seville	...	...	...	...	3.83		Sandy Bay P. W. D.	6.70	3.00	20	3	...
Richmond Estate	...	...	...	...	3.50		Kew	...	...	...	...	2.80
Llandoververy	...	...	...	...	3.12		Lucea P. W. D.	2.27	1.22	20	5	...
Southfield	...	...	...	...	...		Haughton Court	4.80	...	...	...	2.15
Brown's Town P.W.D.	4.58	1.38	21	7	...		Orange Cove	...	...	...	...	2.25
Home Castle	2.71	1.46	21	5	3.34		CENTRAL SUB-DI- VISION.—					
Richmond Pen	2.85	1.45	25	3	1.76		Headworks, R. C. C.	...	...	...	...	1.42
Mahogany Hall	2.25	.92	21	5	2.57		Linstead P. W. D.	2.14	.86	25	4	2.26
Braco	2.65	.97	21	5	2.21		Point Hill, P.W.D.	2.00	.47	26	8	...
Arcadia	2.05	.90	21	6	2.41		Harker's Hall P.W.D.	3.87	1.68	25	10	...
Arcadia Great House	2.64	1.05	21	7	...		Chapelton P. W. D.	...	...	...	...	2.14
Harmony Hall	...	...	...	...	2.28		Danks-Savoy	3.09	1.27	26	10	...
Lancaster	2.86	1.02	21	6	2.51		Cave Valley	1.89	.94	21	7	2.33
Vale Royal	2.93	1.15	21	7	2.76		Means	5.22	...	...	...	2.28
Colchis Pen	1.51	.88	21	4	1.12		WEST CENTRAL DIVISION.					
Hyde	2.66	.85	25	9	2.38		Mocho	3.85	1.00	19	8	...
Georgia	3.65	.85	21	6	2.50		Baillyeston	2.71	.87	24	10	...
Steelfield	3.19	1.20	20	7	2.31		Farm Plantation	2.55	.82	17	10	2.31
Oxford	2.43	1.10	21	4	2.10		Brockenhurst Pln.	...	...	...	...	2.65
Cambridge	2.85	.90	21	7	2.43		Christiania P. W. D.	4.10	.75	26	10	...
Dry Valley	...	...	...	...	...		Kendal P. W. D.	1.11	.38	6	5	...
Lottery	2.45	.95	21	5	2.10		Mandeville P. W. D.	1.76	.47	17	10	2.47
Falmouth	4.80	...	...	...	1.41		Marshalls Pen	1.89	...	...	...	...
Falmouth P. W. D.	4.07	2.00	19	6	...		Ulster Spring P.W.D.	2.17	1.10	25	8	...
Fontabelle	2.95	1.50	25	5	...		Troy	1.45	.54	20	4	...
Holland Pen	2.62	1.00	20	6	2.31		Windsor Pen	3.78	1.88	25	5	1.79
Pembroke	...	...	...	...	1.54		Balaclava P. W. D.	1.67	.73	20	4	...
Golden Grove	...	...	...	...	1.82		Elim	1.77	.74	17	5	...
Green Park	...	...	...	...	1.75		Appleton	1.59	.70	25	3	3.29
Tilston	...	...	...	...	1.63		Magotty P. W.D.	1.17	.49	17	6	...
Weston Favell	5.87	3.30	20	9	2.72		Spring Vale	4.13	1.30	20	9	2.44
Orange Valley	...	...	...	...	2.04		Maroon Town	...	...	...	...	2.05
Kent	4.90	3.08	20	5	2.46		Kempshot	6.59	3.42	21	8	2.70
Dundee	...	...	...	...	2.03		Kepp	2.71	1.24	24	10	4.42
Phoenix	5.10	3.10	20	14	2.32		Kew Park	3.97	2.70	20	5	2.70
Gale's Valley	...	...	...	...	1.78		Mount Carey	7.33	6.00	20	6	...
Greenwood	5.91	3.82	20	5	1.98		Windsor Forest	...	...	...	...	4.32
Canaan	5.20	4.00	20	2	...		Chester Castle	...	...	...	...	2.46
Content	...	...	...	...	...		Darliston P. W. D.	3.66	1.93	20	7	...
Bellfield	4.46	1.95	21	7	...		Whithorn, P. W. D.	3.88	1.23	20	5	...
Guilsbro'	6.40	5.60	20	7	2.21		New Galloway	2.11	1.00	17	4	...
Tryall	15.90	11.25	20	6	...		Lethe Bridge	...	...	...	...	...
Leogan	...	...	...	...	2.11		Copse	...	...	...	...	2.01
Success	12.48	10.70†	20	4	...		Caecon Castle	6.86	3.70*	20	6	1.92
Cinnamon Hill	18.39	16.00†	20	4	1.74							
Rose Hall	10.30	7.74	20	4	2.04							
Running Gut	18.58	...	...	...	1.65							
Spring	9.35	7.00	20	7	...							
Ironshore	5.30	3.30	20	5	2.65							

\* Gauge overflowed.

† Gauge overflowed twice—above is below the actual fall.

WEST CENTRAL DIVISION contd.	FEBRUARY.					COMPARATIVE TABLE OF RAINFALL. (Based upon the "Average" Stations only.)			
	Total	1896.				FEBRUARY.			
		Greatest fall in 24 hours.		Days on which .01 or more fell	Average	1896.		Average.	
		Fall.	Amount			In.	In.		
Golden Grove		in.	in.			2.86			
Great Valley	6.73	3.80	21	..	2.31				
Brownsville	6.07	2.75	20	8	..				
George's Palin Estate	..	..	..	..	..				
Fontabelle	4.81	1.97	20	9	2.79				
Morgans Bridge P.W.D.	5.53	2.20	20	9	..				
King's Valley	5.85	3.00	18	6	1.49				
Abingdon	.95	.85	13	2	2.09				
Means	3.98	...	...	...	2.52				
SOUTHERN DIVISION.									
Morant Point L. H.	3.69	1.33	18	13	2.26				
Morant Bay, P. W. D.	4.24	2.35	17	15	..				
Lyssons	..	..	..	..	..				
Easington P. W. D.	3.03	1.45	17	9	..				
Abbey	5.82	3.00	17	14	1.25				
Bull Bay P. W. D.	1.47	.85	18	3	..				
Gordon Town	3.89	2.35	17	6	..				
Hope Gardens	3.93	.57	23	5	1.13				
Hope Reservoir	..	..	..	..	..				
Cherry Garden	4.85	..	..	..	1.24				
King's House	4.85	3.25	..	5	1.29				
Cavaliers	..	..	..	..	..				
Shortwood	4.99	3.48	18	4	..				
Constant Spring	..	..	..	..	..				
Monaltrie	3.53	2.86	18	10	.99				
Halfway-Tree P.W.D.	3.92	2.70	17	5	..				
Campdown	..	..	..	..	..				
Public Works Office Kn.	2.40	1.82	18	5	.66				
Plumb Point L. H.	.90	.44	18	6	.76				
Ferry P. W. D.	1.30	.48	17	5	..				
Spanish Town P.W.D.	.89	.35	17	4	1.49				
Windsor Park	2.46	1.25	26	8	1.03				
Hog Hole Pen P.W.D.	.90	.80	25	2	1.78				
Old Harbour P.W.D.	2.75	.96	25	11	1.95				
Somerset Hall	4.00	1.75	26	7	..				
May Pen P. W. D.	3.25	1.00	26	16	..				
Hermitage	3.22	1.02	26	8	..				
Denbigh	1.75	..	..	..	..				
Yarmouth P.W.D.	..	..	..	..	..				
Victoria Town P.W.D.	2.10	.52	29	10	..				
Stone's Hope	1.71	.77	17	9	2.33				
Newport P. W. D.	3.09	1.00	18	6	..				
Alligator Pond P W D	.79	.47	17	2	..				
Potsdam	2.38	1.28	21	12	1.37				
Long Hill	2.14	.82	24	7	1.74				
Pepper	1.28	.42	17	4	1.82				
Torrington P. W. D.	..	..	..	..	..				
Bethlehem	1.93	.99	18	5	..				
Santa Cruz P.W.D.	1.63	1.04	24	2	..				
Holland	1.25	.38	17	..	..				
Black River P. W. D.	1.71	.93	17	3	..				
Font Hill	1.70	1.38	17	2	..				
Grand Vale	..	..	..	..	..				
Peter's Ville	1.88	.65	21	6	..				
Mount Edgecombe	3.51	1.58	24	8	2.47				
Sweet River	3.20	1.65	20	5	2.56				
Windsor, Sav.-la-Mar.	3.48	1.84	20	5	2.50				
Sav.-la-Mar P. W. D.	3.45	1.75	20	8	..				
Retreat	1.12	.83	17	2	..				
Negril Pt. Lighthouse	3.13	1.28	18	3	..				
Means	2.87	...	...	...	1.61				

The greatest monthly fall, viz. 18.95 inches was recorded at Moore Town, P.W.D., in Portland, at which place there is now a gauge—although this was narrowly approached by falls of over eighteen inches at Cinnamon Hill and Running Gut—and the least fall, viz. .79 inches, was recorded at Alligator Pond. The greatest fall in 24 hours was (over) 16 inches at Cinnamon Hill on the 20th. The greatest number of days on which rain fell at any one place was 22 at Port Antonio. Twenty-seven stations had in 24 hours falls of between 3 and 5 inches; three, falls of between 5 and 7 inches; and three stations had falls of between 7 and 10 inches in twenty-four hours, while two stations had eleven inches, and one, Cinnamon Hill, had (over) sixteen inches in one day.

The mean approximate rainfall for the whole island for February, as arrived at on the 5th instant, was 5.35 inches. This result was obtained from 38 stations with "averages." The results shewn in the Comparative Table now published are from 75 such stations, and from this more complete information it appears that the mean rainfall for the island for February was 4.91, as compared with an average fall of 2.50.

The rainfall for the N.E. and N. Divisions of the island was, in each case, more than twice the average fall, the West Central Division had more than 50 per cent. in excess of the average, and the Southern Division had 75 per cent over the average, the result being that the mean rainfall for the island was about twice the average.

This result was chiefly due to rains on the 20th and 21st, which are the days of greatest rainfall all over the northern half the island and the western portion of the West Central Division. In the neighbourhood of a knot of estates near the seacoast in St. James (notably Cinnamon Hill and Running Gut), these rains developed into floods, as will appear from some of the following notes.

*Cinchona Pin.*—Weather very unsettled during the latter part of the month.

*Castleton.*—Very strong wind on the 20th for about twenty hours—rained all the time from the 20th to the 23rd.

*Gayle.*—First part dry, later fine steady rain.

*Rio Hoe.*—Strong winds during the whole month.

*St. Ann's Bay.*—Very heavy rains on 20th, viz. 4.55 inches, very strong wind and heavy sea running.

*Canaan, Success, Cinnamon Hill, Rose Hall.*—A terrible rain-storm occurred in this district on 20th inst., being worst along the coast range from Palmyra to Spring, and not so heavy on the sea coast. The gullies could not carry the flood water, and much land was carried away to sea. Little River rum store was wrecked, two puncheons of rum being buried in the sand (though not damaged). Fully £200 damage done to gutter, dam, &c., on Cinnamon Hill, and over £800 damage done to roads near here.

The heaviest rain was from 8 o'clock p.m. till midnight and seemed to be a regular waterspout. The damage to estate's property and rum store happened at midnight. Five houses at Lilliput washed away and some of the inmates barely escaped with their lives.

—*Joseph Shore.*

*Tryall (St. James).*—The rain storm of the 20th

inst. is the heaviest I have ever experienced. My gauge bottle is a small one, holding just 3.75 in., and it overflowed twice during the day and again at night. I think the actual fall from the evening of the 19th to the morning of the 21st must have exceeded 16 inches. Very considerable damage has been done to roads and property in the district.—(Edward T. Melville.)

*Ironshore.*—On Thursday, 20th February, it rained the whole day and part of Friday, with heavy breeze from the North. Rain was much heavier on the hills and the gullies came down in great flood, doing considerable damage to the cane fields.

*Providence.*—Very heavy rain on Thursday 20th. Gullies came down, roads awfully damaged.

*Kempshot.*—Cloudy, stormy weather from 17th to 25th.—(Maxwell Hall.)

*Great Valley.*—The rainfall here on 21st was not as heavy as it was four miles off on the sea coast, as they had, I believe, over 6 inches from evening to morning at Sandy Bay. Had very strong winds this month.—(Martin S. Strickland.)

*Abingdon.*—Dry Norths all the month, water and grass suffering seaside.

*S. Div. Stones Hope.*—Weather overcast. Strong N.E. winds prevailing.—(Richd. W. Miles.)

*Pepper.*—Very dry and breezy the first two weeks of the month. Strong breezes on the 23rd, 24th and 25th.

*Mt. Edgecombe.*—Vegetation, which had been very parched, has become green again from the rains of 18th to 24th.

It is interesting to notice that in February, 1895, the rainfall was also twice the average for the island, and that "this result was largely due to general rains which set in on the 23rd and lasted four or five days in the North Eastern Division, and a shorter time in the other Divisions."

In connection too with the flood rains of February, 1896, at Cinnamon Hill, Rose Hall, Hunting Gut, &c., above referred to it may be interesting to recall that so lately as in December last Mr. Joseph Shore reported that on the afternoon and night of 7th December, 1895, a "terrible storm of rain" occurred in the very same district which brought all the gullies down. (See W. R.

No. 191), It is also curious to observe that this particular knot of estates is to be found, according to the average rain fall, in one of the two driest patches of the whole island. (See W. R., No. 124 A. and the rainfall maps therein referred to.)

#### FALL OF HAIL.

The Rev. C. A. Winn at Ballintoy reports that there was a sudden fall of hail at about 12.30 a.m. on the 1st February, a strong S.E. wind blowing at the time but no rain.

#### EARTHQUAKES.

There are three earthquakes reported this month, viz., on the 12th, the 16th and the 18th February.

No. 1 ON THE 12TH: *Windsor Pen, Trelawny*—Shock of earthquake at 8.45 p.m.

*Brown's Ville.*—A slight earthquake was felt at 8.55 p.m.

*King's Valley.*—Slight shock of earthquake at 17 minutes to 9 p.m.

No. 2 ON THE 16TH: *Unity Valley*.—A shock of earthquake felt on the 16th.

*Kew Park.*—Slight shock of earthquake about 1 p.m.

*Petersville.*—At 1.7 p.m. on Sunday the 16th a slight shock of earthquake, from east to west, lasting a few seconds,

*Shortwood College.*—Slight shock of earthquake felt on Sunday the 16th at 1 o'clock p.m.

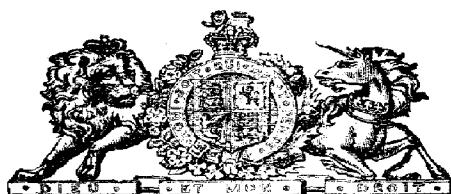
*The Abbey.*—A shock of earthquake about 12.40.

This earthquake was recorded by the seismograph erected by Mr. Brennan in Spanish Town, although he did not himself feel the earthquake. Mr. Brennan has sent a photograph of the image magnified 66 times the actual vibration and adds:—"The extreme horizontal earth movement amounts to .017 of an inch. There seems to be a tendency to give the principal direction W. by N."

No. 3 ON THE 18TH: *Moneague*.—The Assistant Superintendent Public Works reports: On the morning of the 18th, at 2.55 a.m., sharp shock of earthquake which woke me; soon after heavy squall of wind and rain, wind blew down a breadfruit tree close to the house."

ROBT. JOHNSTONE.

Kingston, 24th March, 1896.



## JAMAICA

## WEATHER REPORT

FOR THE MONTH OF

MARCH, 1896.

## KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

March, 1896.	BAROMETER.*						Thermometers (F.)					Dew Point and Humidity.			WIND.			Total Miles of Wind,	
	7 a.m.		3 p.m.		Mean.		7 a.m.	3 p.m.	Max.	Min.	Range	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction (from) and miles per hour.	Mean for the day.		
	I.	II.	I.	II.	II.														
	88 or 29	30 or 29	80 or 29	80 or 29	80 or 29	°	°	°	°	°	°	°	°	°	7 a.m.	3 p.m.	Mean for the day.	Total Miles of Wind,	
1	.919	.897	.896	.939	.918	70.4	83.3	84.6	69.4	15.2	56.7	88	70.1	65	Z	O	E	7	SSE 3
2	.946	.924	.917	.960	.942	70.4	80.4	84.3	68.6	15.7	55.8	85	68.5	67	N	I	SE	3	SSE 3
3	.969	.947	.912	.955	.951	66.4	82.7	88.7	68.8	17.9	53.1	75	64.0	53	NE	I	SE	5	S 4
4	.979	.954	.919	.962	.958	66.1	82.7	85.3	65.5	19.8	56.9	72	63.5	53	N	I	SE	4	S 4
5	.001	.979	.927	.970	.975	66.4	85.9	86.3	65.1	21.2	58.6	76	64.6	49	N	I	SE	6	SW 4
6	.018	.996	.939	.982	.989	67.4	84.2	88.5	68.3	22.7	60.0	77	66.8	56	N	I	SE	11	SE 4
7	.016	.994	.977	.020	.007	68.1	85.7	86.3	67.4	18.9	60.6	77	60.0	42	N	I	SE	8	S 4
8	.045	.023	.950	.993	.008	69.4	85.0	84.5	68.6	15.9	65.6	87	68.1	56	N	I	SE	7	S 4
9	.001	.979	.928	.966	.973	68.2	84.0	84.8	67.3	17.6	60.9	77	66.2	55	NE	I	SE	7	S 4
10	.954	.932	.888	.926	.929	67.6	82.1	84.3	66.1	18.2	63.5	87	66.6	60	N	I	SE	13	SE 6
11	.877	.855	.828	.871	.863	70.0	83.0	85.2	73.1	11.8	64.5	69	68.3	61	SE	2	SE	10	SSE 7
12	.922	.900	.865	.908	.904	70.5	84.2	85.1	75.4	9.7	69.9	90	70.8	84	SE	1	SE	12	SSE 6
13	.015	.993	.951	.994	.994	70.4	84.4	85.9	68.0	17.0	64.0	80	68.3	53	NE	I	SE	15	SE 5
14	.016	.994	.971	.014	.004	72.1	84.1	86.8	71.0	15.8	65.4	79	71.8	57	N	I	SE	6	SSE 4
15	.990	.968	.934	.977	.973	72.7	73.9	83.5	72.2	11.3	65.7	79	71.0	90	N	I	SE	4	SE 3
16	.945	.923	.989	.926	.928	74.5	82.5	84.8	68.1	16.7	68.1	78	68.4	61	SE	I	SE	12	SE 5
17	.987	.965	.901	.947	.956	70.8	83.4	85.2	68.8	16.4	59.9	69	68.2	60	NE	I	SE	13	SE 6
18	.994	.972	.907	.950	.961	67.8	87.6	89.2	66.0	28.2	63.0	85	65.6	48	N	I	SE	9	SSE 4
19	.976	.954	.909	.952	.958	71.1	84.8	85.5	68.4	17.1	63.5	77	68.6	56	NE	I	SE	9	SSE 5
20	.020	.998	.969	.012	.006	72.5	83.5	87.3	71.6	15.7	64.7	77	63.4	61	NE	I	SE	7	S 4
21	.037	.005	.968	.031	.018	72.1	82.8	87.7	70.2	17.5	69.7	92	67.6	60	Z	O	W	4	Var. 4
22	.019	.997	.947	.990	.994	74.3	83.8	88.4	70.1	18.3	67.6	80	68.4	60	NE	I	S	7	Var. 4
23	.976	.953	.890	.933	.943	70.8	80.3	85.5	69.3	16.2	62.9	76	65.3	59	N	I	SE	11	SE 4
24	.977	.955	.901	.944	.950	71.8	82.2	84.4	69.4	15.0	64.3	77	68.7	64	NE	I	SE	5	SE 3
25	.944	.922	.870	.913	.918	69.3	85.6	85.1	65.0	17.1	63.1	81	68.9	62	NE	I	SE	5	SE 4
26	.902	.880	.860	.893	.887	70.4	84.2	85.2	69.0	16.2	65.6	85	68.6	60	Z	O	SE	7	S 3
27	.923	.901	.870	.913	.907	70.4	83.8	85.9	68.9	16.4	64.2	81	68.0	60	Z	O	S	8	S 3
28	.944	.922	.886	.829	.926	75.1	82.1	86.8	69.9	16.9	69.4	88	69.9	67	N	I	SE	10	SE 4
29	.963	.941	.902	.945	.943	73.9	84.4	89.3	71.5	17.8	65.6	75	73.5	70	N	2	SE	13	SE 4
30	.963	.941	.897	.940	.940	71.7	84.4	86.6	71.4	15.2	63.1	74	72.9	69	Z	O	SE	10	SE 3
31	.948	.926	.914	.957	.941	72.2	81.4	85.3	69.5	15.8	65.0	66	70.1	69	N	I	SE	8	SE 4
Means.	29.973	29.951	29.912	29.955	29.953	70.9	83.2	85.8	69.0	16.8	64.1	79	68.1	61	N	0.9	SE	8.3	SSE 4.2 101.5

\* Explanation. Bar. I.—Barometer reduced to Standards of Kew (for instrumental error), of Temp. 32.<sup>o</sup> of Mean Sea level and of standard Gravity at Lat. 45.<sup>o</sup>  
Bar. II.—Barometer further reduced to Diurnal Mean (Corr. being for this month, at 7 a.m.—.022 in. and at 3 p.m. + .043 in.).

## KINGSTON :—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

March 1896.	Clouds (in tenths of the sky).						Rainfall. In.	Weather: Remarks, &c.		
	7 a.m.			3 p.m.						
	Lower.	Middle.	Upper.	Lower.	Middle.	Upper.				
1	...	...	...	2 Str. Cum. SH.	2 Cum. SE.	1 Cir. Str.	0.08	Fine a.m. Fair p.m. Rain from 6.40 to 6.52 p.m.		
2	...	...	...	8 Str. Cum. 1 Alt. Str.	1 Cum.	...	0.00	Fine but hazy a.m. Cloudy p.m.		
3	...	...	...	...	1 Cum. NW.	...	0.00	Fine: hazy a.m.		
4	...	...	...	...	1 Cum. E.	...	0.00	Fine.		
5	...	...	...	...	1 Cum.	...	0.00	Fine: hazy a.m.		
6	...	...	...	...	1 Cum.	...	0.00	Fine: hazy a.m.		
7	...	...	...	2 Str. Cum.	1 Cum.	...	0.00	Fine but hazy a.m. Fair p.m.		
8	...	1 Cum.	...	...	1 Cum. SE.	1 Cir. Str.	0.00	Fine.		
9	...	...	...	...	1 Alt. Cum.	...	0.00	Fine: hazy a.m.		
10	...	1 Cum. SE.	...	...	2 Cum. SE.	1 Cir. & Cir. Str.	0.00	Fair.		
11	...	2 Cum. E.	...	...	1 Alt. Cum.	1 Cir. & Cir.	0.00	Fine a.m. Fair p.m.		
12	...	4 Cum. SE.	3 Cir. & Cir. Str. N.W.	...	2 Cum. SE.	1 Cir.	0.02	Cloudy a.m. Rain from 8.30 to 8.44 a.m. Fair p.m.		
13	...	...	...	...	2 Cum. SE.	...	0.00	Fine: hazy a.m.		
14	...	1 Cum.	...	2 Nim.	2 Cum.	...	0.00	Fine a.m. Cloudy p.m.		
15	1 Alt. Str. 6 Str. Cum.	1 Alt. Cum.	...	3 Nim.	1 Cum.	...	0.09	Cloudy a.m. Raining p.m. Light rain at intervals during the day. Rain from 2.30 to 3.12 p.m.		
16	...	...	...	5 Str. Cum.	3 Cum. SE.	...	0.00	Fine.		
17	...	1 Cum. E.	...	...	1 Cum. E.	...	0.00	Fine.		
18	...	...	...	...	2 Cum. SE.	...	0.00	Fine: hazy a.m.		
19	...	1 Cum. E.	...	...	2 Alt. Cum.	...	0.00	Fine.		
20	...	...	...	2 Nim.	1 Alt. Cum.	...	0.04	Fine a.m. Cloudy p.m. Rain at 4.30 to 4.36 p.m.		
21	9 Str. Cum. E.	1 Alt. Cum.	...	6 Str. Cum.	3 Alt. Cum. E.	1 Cir. Str.	0.00	Cloudy.		
22	8 Str. Cum. E.	1 Cum. E.	...	...	2 Cum. E.	1 Cir.	0.00	Cloudy a.m. Fine p.m.		
23	...	...	...	1 Alt. Str. 5 Str. Cum. S.E.	...	1 Cir.	0.00	Fine a.m. Cloudy p.m.		
24	3 Str. Cum.	2 Alt. Cum.	1 Cir. s.	3 Str. Cum.	4 Alt. Cum. 2 Cum.	1 Cir. Str.	0.00	Cloudy.		
25	...	...	2 Cir.	...	2 Cum.	1 Cir.	0.00	Fine.		
26	...	...	...	...	2 Cum. SE.	...	0.00	Fine: hazy a.m.		
27	...	...	...	...	1 Cum.	...	0.00	Fine: hazy a.m.		
28	...	9 Alt. Cum.	...	6 Str. Cum. S.E.	2 Alt. Cum. 2 Cum. SE.	...	0.00	Cloudy.		
29	...	...	2 Str. Cir.	1 Alt. Str.	1 Cum.	2 Cir. Str.	0.00	Fine a.m. Cloudy p.m.		
30	...	...	2 Cir.	2 Str. Cum.	2 Alt. Cum.	...	0.00	Fine a.m. Cloudy p.m.		
31	...	...	8 Cir.	1 Alt. Str. 6 Str. Cum.	3 Cum. SE. 1 Alt. Cum. 2 Cum.	3 Cir. & Cir. Str.	0.00	Fine a.m. Cloudy p.m.		
Means Total	90/o	80/o	60/o	210/o	210/o	50/o	0.18	Fair.		

## RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.								EXTREMES FOR THE MONTH.								Total Rainfall. In.		
		Temperature.					Dewpoint.		Humidity.			Temperature.								
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.					
	ft.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	In.		
King's House ...	400	67.8	86.9	88.1	60.1	28.0	62.9	73.8	87	67	94	18	55	3	39	.75				
Castleton Gardens ...	580	63.8	80.1	88.8	61.3	22.5	62.8	70.5	96	71	87	3*	52	5	35	6.27				
Hope Gardens ...	600	66.0	82.0	86.7	62.9	23.8	64.3	79.4	93	90	94	31	58	5 & 11	86	.77				
Stony Hill Refty. ...	1,400	66.8	77.8	80.3	63.8	17.0	64.3	72.1	92	83	83	80	59	3+	24	8.00				
Cinchona Plantation	4,907	55.7	62.7	66.3	53.0	13.3	50.2	58.4	80	83	72	80	49	11	23	3.03				

\* also 29 and 30.

† also 4 and 5.

## THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	MARCH.	
	1896.	Average.
Infantile diseases not otherwise specified	27	32
Lung diseases	28	17
Fever and Malaria	7	7
Dysentery and Diarrhoea	23	15
Various	57	68
Total	142	139

## CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

		in.
Barometric pressure	7 a.m.	25.343
" "	3 p.m.	25.334
Temperature—		
6 feet underground	7 a.m.	60.9
" "	3 p.m.	60.9
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		26.4

## BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain	Remarks.	Observer's Initials
		Max.	Min.				
1896.		°	°	°	in.		
January 31st	12.15 p.m.	67.9	35.8	45	16.64	Raining steadily.—cold	W. H.
February 29th	11.30 a.m.	68.9	40.8	53	20.09	Fine and clear.	D. W.
March 31st	4 p.m.	68.9	41.8	55	8.20	Misty.	W. H.

Note.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level and to standard Gravity at latitude 45°. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

## RAINFALL FOR MARCH, 1896.

The first column contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the result of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.	MARCH.				
	1896.				Average.
	Total	Greatest fall in 24 hours.	Date.	Days on which .01 or more fell.	
	Fall.	Amount.	Date.	Days on which .01 or more fell.	
Hordley	1.22	.50	23	6	4.44
Manchioneal	1.47	.46	23	6	...
Bath P. W. D.	4.74	1.36	20	18	...
Moore Town P.W.D.	5.38	...	15	...	
Mt. Ephraim	...	...	...	...	
Port Antonio P. W. D.	4.33	.89	23	17	4.28
Fellowship P. W. D.	3.85	1.38	11	10	...
Serge Island	...	...	...	...	
Coley Estate	...	...	...	...	

NORTH-EASTERN DIVISION, contd.	MARCH.				
	1896.				Average.
	Total	Greatest fall in 24 hours.	Date.	Days on which .01 or more fell.	
Burlington		in.	in.		in.
Shrewsbury P. W. D.	5.66	1.25	25	9	...
Cedar Valley P. W. D.	3.15	1.00	11	8	...
Green Vale	4.75	1.75	15	11	...
Cinchona Plantation	3.03	.75	21	11	6.33
Resource	...	...	...	...	...
Buff Bay P. W. D.	4.04	1.25	14	8	...
Cold Spring	3.43	.68	26	6	...
Hardware Gap	4.83	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	2.49	.09	14	3	...
Stony Hill Refty.	3.00	1.22	1	5	3.11
Castleton Gardens	6.27	1.12	31	10	4.45
Lawrence's Tavern P. W. D.	3.11	1.60	29	11	...
Albany, P.W.D.	2.80	1.45	15	7	...
Quebec	4.38	1.30	28	7	2.85
Richmond P. W. D.	2.43	.63	16	8	...
Highgate P. W. D.	3.85	.80	15	15	...
Gayle	5.65	2.50	23	...	5.10
Gayle P. W. D.	5.46	1.15	23	12	...

MARCH.							MARCH.						
NORTH-EASTERN DIVISION, contd.			1896.				NORTHERN DIVISION contd.			1896.			
Total	Greatest fall in 24 hours.		Days on which .01 or more fell.		Average.	Total	Greatest fall in 24 hours.		Days on which .01 or more fell.		Average.		
Fall	Amount.	Date.	in.	.01 or more fell.	in.	Fall	Amount.	Date.	in.	.01 or more fell.	in.		
Bio Hoe	In. 4.32	In. 1.23	26	8	4.63	Friendship	in. ...	in. ...	... .60	28	2	... .10	
Unity Valley	5.37	2.00	26	12	4.28	Providence	1.10	... .60	... .60	20	5	... .10	
Moneague P. W. D.	4.53	...	... 7	...	...	Montego Bay P. W. D.	2.12	1.40	20	5	...	...	
Claremont	6.55	...	... 8	...	...	Catherine Hall	...	...	...	...	...	1.94	
Albion	4.45	.71	26	14	3.87	Catherine Mount	...	...	...	...	...	1.66	
Averham Park	6.28	1.27	23	14	3.20	Fairfield	2.71	1.10	21	6	...	1.89	
Ballintoy	4.94	.76	15	13	...	Anchovy	...	...	...	...	...	1.67	
Means	4.39	...	...	...	4.24	Eden	...	...	...	...	...	1.45	
NORTHERN DIVISION			Sandy Bay P. W. D.				Wiltshire				2.65		
Port Maria P. W. D.	5.74	3.18	23	10	3.25	Kew	...	...	...	...	...	...	...
Drax Hall	4.85	2.04	23	7	3.62	Lucea P. W. D.	...	...	...	...	...	...	3.45
St. Ann's Bay P. W. D.	4.95	1.90	23	10	...	Haughton Court	...	...	...	...	...	...	...
Seville	...	...	...	...	3.78	Orange Cove	...	...	...	...	...	2.64	2.60
Richmond Estate	...	...	...	...	2.82	CENTRAL SUB-DIVISION							
Llandovery	4.26	2.25	28	5	2.85	Headworks, R. O. C.	...	...	...	...	...	1.67	
Brown's Town P. W. D.	8.04	4.00	23	6	...	Linstead P. W. D.	3.47	.91	29	6	...	...	
Home Castle	9.28	1.75	28	8	2.27	Point Hill, P. W. D.	3.51	1.60	23	7	...	...	
Richmond Pen	5.02	1.05	28	9	2.15	Harker's Hall P. W. D.	4.89	2.22	25	10	...	...	
Mahogany Hall	9.82	2.22	23	8	1.87	Chapelton P. W. D.	...	...	...	...	...	...	
Braco	4.75	2.30	28	6	1.79	Danks-Savoy	4.96	.93	29	12	...	2.85	
Arcadia	8.28	3.95	23	8	1.75	Cave Valley	3.95	.79	25	11	3.20	...	
Arcadia Great House	6.64	2.50	28	8	...	Means	5.48	...	...	...	...	2.03	
Harmony Hall	...	...	...	...	1.70	WEST CENTRAL DIVISION.							
Lancaster	6.24	2.90	28	7	2.17	Mocho	7.55	2.50	23	7	...	...	
Vale Royal	11.40	4.24	23	8	2.26	Baillieston	5.71	1.54	1	14	...	...	
Colchis Pen	12.55	3.31	29	8	1.05	Farm Plantation	9.38	4.75	12	8	...	3.35	
Hyde	6.59	1.85	28	9	2.89	Brockenhurst Pln.	7.05	4.60	12	7	...	3.04	
Georgia	8.30	3.27	23	6	1.98	Christiania P. W. D.	9.70	1.75	12	13	...	...	
Steelfield	8.65	3.50	23	7	2.18	Kendal P. W. D.	10.50	2.50	12	11	...	...	
Oxford	7.70	3.60	23	6	1.48	Mandeville P. W. D.	9.68	4.62	12	11	...	4.76	
Cambridge	7.30	3.05	23	7	2.18	Marshalls Pen	...	...	...	...	...	3.80	
Lottery	5.85	2.90	23	8	2.02	Ulster Spring P. W. D.	5.27	1.48	18	13	...	...	
Hampstead	5.18	1.50	20	10	...	Troy	7.33	2.45	29	14	...	...	
Falmouth	3.15	...	...	...	1.80	Windsor Pen	4.37	1.56	20	11	...	1.18	
Falmouth P. W. D.	2.19	.78	23	5	...	Balaclava P. W. D.	5.14	1.64	15	9	...	...	
Fontabelle	4.05	1.80	20	10	...	Elim	1.45	.74	24	3	...	...	
Martha Brae	...	...	...	...	...	Appleton	4.70	1.72	13	11	...	4.29	
Holland Pen	4.03	1.74	23	4	1.56	Magotty P. W. D.	4.89	1.22	13	11	...	...	
Pembroke	...	...	...	...	2.00	Spring Vale	...	...	...	...	...	...	
Golden Grove	...	...	...	...	2.30	Maroon Town	...	...	...	...	...	2.84	
Green Park	5.20	1.84	23	6	2.01	Kempshot	2.58	.56	24	8	...	3.14	
Tilston	...	...	...	...	2.55	Kepp	4.72	.83	15	14	...	3.71	
Weston Favell	2.70	1.00	19	7	2.06	Kew Park	3.82	.92	29	10	...	2.41	
Orange Valley	...	...	...	...	1.64	Mount Carey	2.95	1.50	21	5	...	...	
Kent	3.12	1.05	23	6	1.77	Windsor Forest	...	...	...	...	...	4.17	
Dundee	3.67	1.23	23	7	2.18	Chester Castle	...	...	...	...	...	2.39	
Phoenix	3.34	1.40	20	13	2.14	Darliston P. W. D.	7.83	2.42	30	13	...	...	
Gale's Valley	...	...	...	...	2.02	Whithorn, P. W. D.	8.05	2.05	19	9	...	...	
Greenwood	1.65	.60	13	5	1.64	New Galloway	6.76	1.70	24	9	...	...	
Canaan	2.50	1.20	20	3	...	Leth Bridge	4.46	1.65	28	8	...	...	
Content	...	...	...	...	...	Copse	5.51	1.75	28	6	...	2.55	
Bellfield	3.11	1.25	23	7	...	Cacocon Castle	4.49	1.66	10	6	...	2.35	
Guilsbro'	...	...	...	...	1.60	Golden Grove	...	...	...	...	...	3.21	
Tryall	2.80	1.30	28	5	...	Great Valley	4.60	2.10	21	...	...	...	
Leogan	...	...	...	...	1.89							...	
Success	2.30	.45	23	7	...							...	
Cinnamon Hill	2.98	.95	20	5	1.05							...	
Rose Hall	2.87	.80	28	5	1.05							...	
Running Gut	...	...	...	...	1.41							...	
Spring	3.10	1.65	28	8	...							...	
Ironshore	...	...	...	...	1.35							...	

WEST CENTRAL DIVISION contd.	MARCH. 1896.					COMPARATIVE TABLE OF RAINFALL.	
	Total Fall.	Greatest fall in 24 hours.		Days on which .01 or more fell.	Average.	(Based upon the "Average" Stations only.)	
		Amount	Date.			MARCH.	
Brownsville	.3.88	1.52	21	8	in.	1896.	Average.
George's Plain Estate	2.58	1.11	25	8	...	In.	In.
Fontabelle	3.14	1.22	24	10	3.05	North Eastern Division	4.39 4.24
Morgans Bridge P.W.D.	4.10	1.35	24	11	...	Northern "	5.48 2.03
King's Valley	6.23	2.80	24	8	2.79	West Central "	5.22 3.01
Abingdon	2.76	.96	14	5	3.41	Southern "	3.14 2.50
Means	5.22	...	...	...	3.01	Means	4.56 2.94
SOUTHERN DIVISION.							
Morant Point L. H.	1.22	.31	20	12	2.03	The greatest monthly fall, viz. 12.55 inches was recorded at Colchis Pen, and the smallest, viz. .20 at Bull Bay. The greatest fall in 24 hours was 4.75 at Farm Plantation on the 12th. The greatest number of days on which rain fell at any one place was 18 at Bath. Fourteen stations had in 24 hours falls of between 3 and 5 inches; while no station had as much as 5 inches in 24 hours.	
Morant Bay, P. W. D.	.95	.44	23	5	...	The mean approximate rainfall for the whole island for March, as arrived at on the 4th April, was 4.07. This result was obtained from 34 stations with averages." The results shewn in the Comparative Table now published are from 75 such stations, and show a mean rainfall for the island of 4.56, compared with an average fall of 2.94 inches.	
Lyssons	...	...	...	...	...		
Easington P. W. D.	1.09	.31	15	5	...	It will be seen that in the N.E. Division the rainfall was about the average, in the N. Division it was more than two and a half times the average, in the West Central it was nearly double, and in the Southern Division it was a fifth over the average, the mean result for the whole Island for March being one and a half times the average. Three stations in the East of the Island, and the stations immediately surrounding (and including) Kingston, are the only stations with falls below their average.	
Abberstadt	2.63	.90	25*	13	2.72		
Bull Bay P. W. D.	2.31	...	...	...	2.27	The following notes have come to hand:—	
Gordon Town	.20	.15	20	2	...	Gayle—Very seasonable.	
Hope Gardens	.64	.20	2	7	...	Rio Hoe—The first part of the month dry; showers commenced in the middle; pastures are all looking green.	
Hope Reservoir	.77	.33	24	3	2.36	Albion—First half of month dry; pimento remarkably backward in blossoming.	
Cherry Garden	...	...	...	...	...	Mahogany Hall—Unusually wet for this month.	
King's House	1.13	.43	15	...	2.56	Green Park—Heaviest rainfall for March here since 1880; average being about 1.75.	
Cavaliers	.75	.30	19	3	1.64	Vale Royal—Unusually heavy rainfall for March, most of the places having beaten all previous records.	
Shortwood	...	...	...	...	...	Brockenhurst—Hottest and wettest March known since 1880.	
Constant Spring	1.69	.61	21	6	...	Windsor—Last half of month unusually rainy for March.	
Monaltrie	1.04	.35	21	8	1.63	Copse—Fine showers for March; will do a lot of good for the cane cultivations.	
Halfway-Tree P.W.D.	.34	.28	20	2	...	Abingdon—Hot and very dry to the 14th. Rain 15th 28th, 29th, 30th, and 31st.—Very acceptable.	
Camperdown	...	...	...	...	...	Below will be found a statement of the rainfall recorded during this year compared with the average fall during the months in question.	
Public Works Office Kn.	.31	.14	15	6	1.38	1896.      Average.	
Plumb Point L. H.	...	...	...	...	1.17	in.      in.	
Ferry P. W. D.	2.46	1.50	1	3	...	January    ...      5.08      4.16	
Caymanas	...	...	...	...	...	February    ...      4.91      2.50	
Spanish Town P.W.D.	2.77	1.25	1	6	2.79	March    ...      4.56      2.94	
Windsor Park	2.13	.75	20	5	2.21	Total    ...      14.55      9.60	
Hog Hole Pen P.W.D.	3.32	1.05	1	8	3.11		
Old Harbour P.W.D.	4.40	2.07	14	9	2.41		
Somerset Hall	6.11	2.30	23	7	...		
May Pen P. W. D.	2.95	1.10	1†	7	...		
Hermitage	1.53	.56	1	4	...		
Denbigh	5.00	3.50	1	5	2.05		
Yarmouth P.W.D.	.82	.48	20	4	...		
Victoria Town P.W.D.	3.65	1.75	20	7	...		
Stone's Hope	6.29	1.82	11	10	2.90		
Newport P. W. D.	5.60	1.30	12	7	...		
Alligator Pond P.W.D.	1.49	.49	1	4	...		
Potsdam	8.34	2.20	23	11	2.93		
Long Hill	4.47	2.25	23	9	3.11		
Pepper	6.32	3.51	23	7	3.06		
Torrington P. W. D.	7.89	1.61	28	10	...		
Bethlehem	5.65	1.73	23	13	...		
Santa Cruz P.W.D.	3.40	.90	30	8	...		
Holland	3.68	1.42	23	8	...		
Black River P. W. D.	2.64	.85	28	6	...		
Whitehall	...	...	...	...	...		
Font Hill	...	...	...	...	...		
Grand Vale	...	...	...	...	...		
Peter's Ville	4.81	1.45	30	10	...		
Mount Edgecombe	3.50	1.11	80	12	2.77		
Sweet River	3.60	1.55	24	8	3.19		
Windsor, Sav.-la-Mar.	2.55	1.19	24	6	2.93		
Sav.-la-Mar P. W. D.	2.04	1.39	24	5	...		
Retreat	4.74	2.17	24	6	...		
Negril Pt. Lighthouse	2.51	1.23	30	5	...		
Means	3.14	...	...	...	2.50		

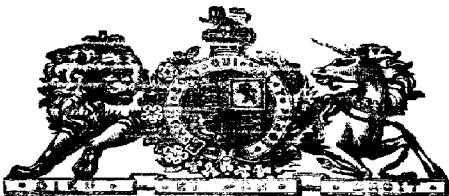
\*also 26.      †also 25.

It will be seen that for the first quarter of the year the rainfall has been one and a half times the average.

ROBT. JOHNSTONE.

Kingston, 23rd April, 1896.

No. 198.



JAMAICA

# WEATHER REPORT

FOR THE MONTH OF

APRIL, 1896.

## KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

April. 1896.	BAROMETER.*						Thermometers (F.)				Dew Point and Humidity.		WIND.				Total Miles of Wind.
	7 a.m.		3 p.m.		Mean.		7 a.m. 8 a.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	Direction (from) and miles per hour.				
	I.	II.	I.	II.	II.								7 a.m.	3 p.m.	Mean for the day.		
1	In., .971	In., .948	In., .919	In., .967	.958	°	72.6	81.5	84.7	71.8	12.9	66.3	81	66.6	61	NE	
2	.997	.974	.920	.958	.965	°	69.4	84.2	86.7	67.2	19.5	62.6	79	68.1	59	N	
3	.997	.974	.994	.962	.968	°	70.6	82.4	85.9	69.2	16.7	65.9	79	68.4	63	NE	
4	.000	.977	.940	.978	.978	°	71.2	84.8	88.3	69.1	19.2	64.0	78	71.1	64	Z	
5	.067	.084	.928	.966	.000	°	73.2	83.9	90.2	70.1	20.1	66.9	81	69.3	62	Z	
6	.041	.018	.932	.970	.994	°	74.2	83.8	89.5	70.1	19.4	68.0	81	69.7	63	NE	
7	.018	.996	.952	.990	.992	°	71.3	77.7	86.2	69.1	16.9	65.8	83	68.4	73	N	
8	.988	.985	.912	.950	.958	°	71.2	89.2	88.6	69.0	20.6	67.9	82	72.1	66	Z	
9	.994	.971	.931	.969	.970	°	72.9	89.9	86.8	70.6	16.2	66.7	82	68.6	56	N	
10	.966	.943	.893	.931	.937	°	71.0	85.3	88.0	68.8	19.7	68.5	91	74.1	69	N	
11	.944	.921	.889	.927	.924	°	72.1	82.5	88.1	69.0	19.1	67.7	82	71.3	69	NN	
12	.974	.951	.920	.955	.954	°	70.2	88.3	89.7	67.6	22.1	68.1	93	69.9	55	Z	
13	.981	.958	.916	.954	.956	°	69.4	86.6	88.9	66.7	22.2	65.3	87	62.8	45	Z	
14	.970	.947	.929	.967	.957	°	69.3	83.1	83.3	66.2	17.1	62.0	78	64.2	53	N	
15	.987	.964	.915	.963	.958	°	70.7	83.1	85.2	66.5	18.4	61.7	81	64.2	53	N	
16	.987	.964	.936	.973	.968	°	70.4	80.7	85.9	66.3	18.9	63.0	77	67.4	64	N	
17	.945	.922	.891	.929	.929	°	71.0	81.8	84.6	68.3	16.2	63.6	77	64.1	55	N	
18	.964	.931	.899	.937	.934	°	72.4	78.8	84.8	69.2	15.6	66.3	83	70.2	75	NN	
19	.008	.985	.966	.006	.996	°	71.7	78.3	84.0	69.7	14.3	66.6	84	69.0	73	Z	
20	.007	.984	.928	.966	.975	°	72.2	88.7	84.3	69.8	14.5	68.0	87	71.5	67	N	
21	.944	.921	.890	.928	.924	°	73.7	83.2	84.8	71.2	18.6	67.0	79	68.8	62	NN	
22	.941	.918	.897	.985	.985	°	73.5	80.6	84.8	70.9	18.9	66.4	73	71.3	74	N	
23	.980	.957	.909	.947	.952	°	71.6	84.5	85.9	69.4	16.1	67.9	83	68.8	59	N	
24	.966	.963	.914	.852	.958	°	73.4	84.6	86.7	71.0	15.7	67.7	82	68.4	58	N	
25	.946	.923	.861	.889	.906	°	72.5	84.2	85.2	70.5	14.7	64.3	75	68.4	59	N	
26	.896	.873	.892	.930	.902	°	71.9	84.4	86.2	69.0	17.2	64.0	77	68.5	59	N	
27	.944	.921	.895	.933	.927	°	71.7	85.2	85.9	68.9	17.0	62.9	74	62.0	46	N	
28	.975	.962	.936	.974	.963	°	72.4	83.6	87.4	69.4	18.0	61.5	69	70.5	66	N	
29	.983	.960	.897	.945	.948	°	74.5	86.1	86.6	71.2	16.4	66.2	75	70.1	59	N	
30	.935	.912	.869	.907	.910	°	71.6	81.8	85.4	68.3	17.1	65.3	81	67.9	63	N	
Means.	29.977	29.954	29.913	29.951	29.953		71.8	83.3	86.4	69.1	17.3	65.6	81	68.4	61	N	
															.7	SE	
															6.1	SSE	
															3.5	88.0	

\* Explanation. Ber. I.=Barometer reduced to Standards of Kew (for instrumental error), of Temp. 32° and of Mean Sea level and of Gravity at Lat. 45°.  
Ber. II.=Barometer further reduced to Diurnal Mean (Corr. being for this month, at 7 a.m.—.023 and at 3 p.m. + .038)



## KINGSTON :—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

April. 1896.	Clouds (in tenths of the sky).						Rainfall. In.	Weather: Remarks, &c.		
	7 a.m.			3 p.m.						
	Lower.	Middle.	Upper.	Lower.	Middle.	Upper.				
1	3 Str. Cum.	1 Alt. Cum. 1 Cum.	1 Cir. W	6 Str. Cum.	1 Cum.	1 Cir. Str.	0.00	Cloudy.		
2	...	...	1 Cir.	6 Str. Cum.	1 Alt. Cum.	...	0.00	Fine a.m. Cloudy p.m.		
3	...	...	3 Cir. ...	...	1 Cum.	...	0.00	Fine.		
4	...	...	3 Cir. ...	1 Alt. Str.	1 Cum. SE.	1 Cir. Str.	0.00	Fine a.m. Cloudy p.m.		
5	...	...	7 Cir. & Cir. Str. W	3 Str. Cum.	3 Cum.	1 Cir. Str. N	0.00	Cloudy a.m. Fair p.m.		
6	...	1 Alt. Cum. 1 Cum. E.	1 Cir.	2 Str. Cum.	1 Cum.	1 Cir. Str.	0.00	Fair.		
7	...	...	...	8 Str. Cum.	1 Cum.	...	0.00	Fine a.m. Cloudy p.m.		
8	...	...	...	1 Str. Cum.	1 Alt. Cum.	...	0.00	Fine but hazy a.m. Fine p.m.		
9	2 Str. Cum.	2 Alt. Cum.	5 Cir. ...	5 Str. Cum.	2 Cum.	...	0.00	Fair a.m. Cloudy p.m.		
10	...	2 Cum.	5 Cir. ...	5 Str. Cum.	1 Alt. Cum. NW.	...	0.00	Fine but hazy a.m. Cloudy p.m.		
11	...	1 Cum. NW.	1 Cir. NW.	...	1 Alt. Cum.	3 Cir. E	0.18	Fine a.m. Cloudy p.m. Rain from 12.17 to 1.12 p.m.		
12	...	1 Cum. E.	...	...	2 Alt. Cum.	1 Cir. Str.	0.00	Fine a.m. but hazy. Fair p.m.		
13	...	1 Cum. E.	...	...	2 Cum. SE.	...	0.00	Fine but hazy a.m. Fine p.m.		
14	...	...	2 Str. Cum. S.E.	2 Str. Cum.	2 Cum. SE.	1 Cir. Str.	0.00	Fine a.m. Fair p.m.		
15	...	2 Cum. E.	3 Cir. & Cir. Str.	2 Str. Cum. NW.	2 Cum. SW.	1 Cir. & Cir. Str.	0.00	Fair.		
16	6 Str. Cum.	2 Alt. Cum.	...	4 Str. Cum.	4 Alt. Cum.	...	0.00	Cloudy.		
17	...	...	9 Cir. & Cir. Str.	8 Str. Cum.	1 Alt. Cum.	...	0.00	Cloudy.		
18	3 Str. Cum. 2 Str.	3 Alt. Cum.	1 Cir. & Cir. Str.	3 Str. Cum.	3 Alt. Cum.	2 Cir. & Cir.	0.17	Cloudy. Rain from 0.67 to 1.46 p.m.		
19	...	1 Cum.	2 Cir.	2 Str. Cum.	2 Cum.	2 Cir. Str.	0.01	Fine a.m. Light rain from 1.39 to 2.12 p.m. Cloudy p.m.		
20	...	...	1 Cir. Str.	6 Str. Cum.	2 Alt. Cum.	NE.	0.00	Fine a.m. Cloudy p.m.		
21	...	...	1 Cir. & Cir. Str.	2 Str. Cum.	1 Cum.	2 Cir. & Cir.	0.00	Fine a.m. Cloudy p.m.		
22	...	...	3 Cir. & Cir. Str.	2 Str. Cum.	2 Cum. E.	4 Cir. & Cir.	0.48	Fine a.m. Rain from 2.35 to 2.57 p.m. Cloudy p.m. Rain from 5.17 to 6.9 p.m. Cloudy.		
23	...	1 Cum.	1 Cir.	...	3 Cum. SE.	3 Cir. & Cir. Str.	0.00	...		
24	...	...	6 Cir.	3 Str. Cum.	2 Cum.	1 Cir.	0.00	Cloudy.		
25	...	...	5 Cir. Str.	2 Str. Cum.	3 Cum. SE.	2 Cir. & Cir.	0.00	Fine a.m. Cloudy p.m.		
26	...	...	1 Cir.	...	4 Cum.	4 Cir. & Cir.	0.00	Fine a.m. but hazy. Cloudy p.m.		
27	...	...	...	...	2 Alt. Cum.	2 Cir. & Cir.	0.00	Fine but hazy a.m. Cloudy p.m.		
28	...	...	...	4 Str. Cum.	3 Cum. E.	...	0.00	Fine but hazy a.m. Cloudy p.m.		
29	...	...	...	4 Str. Cum.	2 Cum. SE.	1 Cir. Str.	0.02	Fine but hazy a.m. Cloudy p.m., with light rain from 3.48 to 3.58 p.m.		
30	...	...	...	1 Alt. Str.	3 Alt. Cum.	1 Cir.	0.02	Fine but hazy a.m. Cloudy p.m.		
30/o	50/o	70/o	170/o	300/o	280/o	110/o	0.86	Fair.		

## RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.								EXTREMES FOR THE MONTH.								Total Rainfall. In.		
		Temperature.					Dewpoint.			Humidity.		Temperature.								
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.					
King's House ...	400 ft.	69.9	86.0	89.9	62.0	27.9	65.4	73.9	84	68	95	18	60	16*	35	1.20				
Castleton Gardens... 580	68.1	78.9	82.8	63.1	19.7	65.0	69.7	93	74	86	5 & 30	58	26	28	5.43					
Hope Gardens ...	600	68.2	79.3	83.4	64.3	19.1	66.0	75.5	93	90	87	12 & 16	60	11 & 12	27	3.43				
Stony Hill Rafty... 1,400	68.6	74.5	79.5	64.3	15.2	67.0	71.7	95	91	82	24	62	27	20	5.82					
Cinchona Plantation 4,907	57.7	62.4	65.6	53.5	12.1	52.5	59.2	83	89	71	5	50	12	21	6.21					

\* also 6 other days.

† and 27.

## THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	APRIL.	
	1896.	Average.
Infantile diseases not otherwise specified	37	27
Lung diseases	12	16
Fever and Malaria	9	9
Dysentery and Diarrhoea	19	15
Various	50	55
Total	127	122

## CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

		in.
Barometric pressure	7 a.m.	25.362
" "	3 p.m.	25.349
Temperature—		
6 feet underground	7 a.m.	61.0
" "	3 p.m.	61.0
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		43.1

## BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain	Remarks.	Observer's Initials
		Max.	Min.				
1896.		°	°	°	in.		
January 31st	12.15 p.m.	67.9	35.8	45	16.64	Raining steadily.—cold	W. H.
February 29th	11.30 a.m.	68.9	40.8	53	20.09	Fine and clear.	D. W.
March 31st	4 p.m.	68.9	41.8	55	8.20	Misty.	W. H.
April 30th	10 a.m.	62.9	40.8	50	18.30	Cloudy.	D. W.

NOTE.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level and to standard Gravity at latitude 45°. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

## RAINFALL FOR APRIL, 1896.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the result of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.	APRIL.				
	1896.				
	Total	Greatest fall in 24 hours.	Date,	Days on which 1 or more fall.	Average.
		Amount			
Hordley	in.	in.			in.
Manchioneal P.W.D.	3.64	1.93	28	6	5.58
Bath P. W. D.	3.29	.70	19	11	...
Moore Town P.W.D.	2.80	.66	10	19	...
Mt. Ephraim	18.01	3.50	11	19	...
Port Antonio P. W. D.	8.56	.85	19	15	6.87
Fellowship P. W. D.	5.83	.90	21	16	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
NORTH-EASTERN DIVISION, contd.	Total	Fall.	Amount	Date	Days on which 1 or more fall.
Burlington	in.	in.	in.	in.	in.
Shrewsbury P. W. D.	9.66	2.78	20	19	...
Cedar Valley P. W. D.	2.42	.80	22	6	...
Green Vale	17.40	4.10*	28	11	...
Cinchona Plantation	6.21	.75	10	18	7.1
Resource	...	...	...	...	...
Buff Bay P. W. D.	5.14	1.08	20	13	...
Cold Spring	5.89	2.20	28	11	...
Hardware Gap	6.73	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	2.66	.60	20	9	...
Stony Hill Refty.	5.82	2.55	21	10	5.30
Castleton Gardens	5.43	.94	11	15	6.74
Lawrence's Tavern P. W. D.	1.49	1.07	29	3	...
Albany, P.W.D.	1.65	.60	12	5	...
Quebec	...	...	...	...	3.36
Richmond P. W. D.	5.80	2.88	20	8	...
Highgate P. W. D.	3.95	1.03	11	13	...
Gayle	4.90	...	...	7	4.50
Gayle P. W. D.	4.66	1.00	18	15	...

\* in 3 hours.

NORTH-EASTEREN DIVISION, contd.	APRIL.						NORTHERN DIVISION contd.	APRIL.						
	1896.							1896.						
	Total	Greatest fall in 24 hours.						Total	Greatest fall in 24 hours.					
	Fall	Amount.	Date.		Days on which .01 or more fell.	Average.		Fall.	Amount.	Date.		Days on which .01 or more fell.	Average.	
Bio Hoe	In. 2.97	.46	6	10	in. 4.40		Rose Hall	in. 1.52	.70	6	3	1.43		
Unity Valley	...	...	...	...	4.70		Running Gut	...	...	...	...	1.77		
Moneague P. W. D.	2.91	.76	11	17	...		Spring	1.35	.80	6	3	...		
Claremont	5.42	1.78	17	8	...		Ironshore	...	...	...	...	2.65		
Albion	5.50	1.76	21	15	4.55		Friendship	...	...	...	...	...		
Averham Park	4.54	.88	11	17	5.13		Providence	.60	.40	6	2	2.97		
Ballintoy	1.71	.47	11	8	...		Montego Bay P. W. D.	.30	.30	6	1	...		
Means	4.73	...	...	...	5.58		Catherine Hall	...	...	...	...	2.93		
NORTHERN DIVISION														
Port Maria P. W. D.	1.50	.90	8	5	2.79		Catherine Mount	...	...	...	...	2.93		
Drax Hall	1.43	.77	18	3	2.84		Fairfield	.00	...	...	0	3.16		
St. Ann's Bay P.W.D.	1.67	.46	5	5	...		Anchovy	...	...	...	...	3.44		
Seville	...	...	...	...	2.85		Eden	...	...	...	...	4.88		
Richmond Estate	...	...	...	...	2.56		Wiltshire	...	...	...	...	4.07		
Llandovery	4.12	1.67	18	6	2.76		Round Hill	.75	.70	6	2	2.26		
Brown's Town P.W.D.	2.20	.55	19	7	...		Flint River	...	...	...	...	...		
Home Castle	4.99	2.25	19	5	2.87		Tryall	...	...	...	...	...		
Richmond Pen	1.85	.80	4	3	4.15		Sandy Bay P. W. D.	.23	.23	6	1	...		
Mahogany Hall	.09	.09	2	1	3.87		Kew	...	...	...	...	...		
Brampton Bryan	2.63	1.16	18	7	...		Lucea P. W. D.	...	...	...	...	...		
Bryan Castle	3.92	1.40	18	9	...		Haughton Court	...	...	...	...	2.78		
Braco	2.59	.88	5	8	2.32		Orange Cove	...	...	...	...	3.68		
Arcadia	2.80	1.31	18	11	2.02		CENTRAL SUB-DI- VISION—							
Arcadia Great House	1.54	.50	5	8	...		Headworks, R. C. C.	...	...	...	...	3.47		
Harmony Hall	...	...	...	...	1.91		Linstead P. W. D.	4.64	1.29	80	7	5.16		
Lancaster	3.11	.97	18	9	2.26		Wakefield	8.03	1.70	80	8	...		
Vale Royal	4.21	2.22	18	11	2.67		Point Hill, P.W.D.	4.75	2.50	21	5	...		
Colchis Pen	2.37	1.62	4	3	3.02		Harker's Hall P.W.D.	3.28	2.04	28	8	...		
Hyde	5.71	.85	20	17	2.85		Chapelton P. W. D.	4.45	2.56	21	7	3.18		
Georgia	2.85	1.40	18	6	...		Danks-Savoy	4.52	2.27	21	6	...		
Steelfield	2.80	1.40	18	8	2.26		Cave Valley	5.24	1.05	21	8	5.40		
Oxford	2.10	1.10	18	5	1.95		Means	2.29	...	...	...	2.69		
Cambridge	2.25	.80	18	7	2.57		WEST CENTRAL DIVISION.							
Lottery	1.72	.90	18	6	2.00		Mocho	5.86	3.42	21	5	...		
Hampstead	...	...	...	...	...		Ballieston	3.75	.91	27	11	4.05		
Falmouth	1.90	...	...	...	2.04		Farm Plantation	4.90	1.90	22	9	6.06		
Falmouth P. W. D.	1.56	.82	18	3	...		Brockenhurst Pln.	...	...	...	...	...		
Fontabelle	1.10	.45	1	6	...		Christiania P. W. D.	9.19	2.70	28	14	...		
Martha Brae	...	...	...	...	...		Kendal P. W. D.	5.25	2.00	8	9	3.98		
Holland Pen	.90	.50	6	2	2.41		Mandeville P. W. D.	8.06	2.40	8	12	5.44		
Pembroke	...	...	...	...	2.71		Marshalls Pen	...	...	...	...	...		
Golden Grove	...	...	...	...	2.30		Ulster Spring P.W.D.	5.25	1.67	22	11	...		
Green Park	1.49	.65	18	7	1.63		Troy	9.94	3.67	28	13	6.79		
Tilston	...	...	...	...	2.36		Windsor Pen	1.13	1.41	17	4	...		
Weston Favell	...	...	...	...	3.48		Balaclava P. W. D.	6.24	1.57	4	15	...		
Orange Valley	...	...	...	...	1.75		Elim	9.42	3.54	28	6	...		
Kent	.70	.23	11	5	2.02		Appleton	8.46	1.73	30	16	9.70		
Dundee	1.45	.68	18	4	1.86		Magotty P.W.D.	16.63	2.65	19	21	...		
Phoenix	1.52	.50	4	7	4.51		Spring Vale	1.87	1.80	21	2	4.82		
Gale's Valley	...	...	...	...	2.51		Maroon Town	...	...	...	...	7.93		
Greenwood	1.17	.77	18	2	1.61		Kempshot	.90	.40	11	4	4.81		
Canaan	.90	.50	6	2	...		Kepp	9.12	1.96	18	21	9.83		
Content	...	...	...	...	...		Kew Park	7.63	2.16	22	9	8.61		
Bellfield	1.44	.80	18	5	...		Mount Carey	.00	...	...	0	...		
Guilsbro'	...	...	...	...	3.27		Windsor Forest	...	...	...	...	10.10		
Tryall	1.10	.93	6	3	...		Chester Castle	...	...	...	...	7.35		
Leegan	...	...	...	...	2.57		Darliston P. W. D.	9.09	2.32	19	14	...		
Success	1.10	.50	6	3	...									
Cinnamon Hill	1.40	.90	6	3	1.49									

WEST CENTRAL DIVISION contd.	APRIL 1896.						SOUTHERN DIVISION, contd.	APRIL 1896.						
	Total Fall.	Greatest fall in 24 hours.			Days on which .01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.			Days on which .01 or more fell.	Average.	
		Amount.	Date.	in.					Amount.	Date.	in.			
Whithorn, P. W. D.	5.63	1.68	18	10	...		Holland	6.61	2.71	19	18	...		
New Galloway	2.77	1.00	20	6	...		Black River P. W. D.	3.76	.74	20	10	4.09		
Lethe Bridge	.69	.45	22	3	...		Whitehall	...	...	...	...	...		
Copse	1.4	.87	22	3	5.81		Fent Hill	...	...	...	...	...		
Cacoons Castle	.66	.26	7	5	5.28		Grand Vale	...	...	...	...	...		
Golden Grove	...	...	...	...	9.05		Peter's Ville	4.32	1.00	18	13	...		
Great Valley	.96	...	...	2	...		Mount Edgecombe	4.70	1.46	21	17	4.29		
Brownsville	.64	.42	7	7	...		Sweet River	3.17	1.32	20	9	4.92		
George's Plain Estate	4.22	1.72	17	6	...		Windsor, Sav.-la-Mar.	4.09	1.40	21	12	4.96		
Fontabelle	...	...	...	...	5.22		Sav.-la-Mar P. W. D.	4.30	1.30	18	5	...		
Morgan's Bridge P.W.D.	3.40	1.77	18	12	...		Retreat	2.83	1.50	17	4	...		
King's Valley	4.55	1.45	22	6	5.03		Negril Pt. Lighthouse	2.42	.88	20	4	...		
Abingdon	1.60	1.20	1	3	5.62									
Means	4.23	...	...	...	6.19		Means	...	8.79	...	...	...	3.80	

## COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

## SOUTHERN DIVISION.

	1896.	Average.
	In.	In.
Morant Point L. H.	2.88	1.38
Morant Bay, P. W. D.	.54	.12
Lyssons	...	...
Easington P. W. D.	.64	.32
Abbey	...	...
Halberstadt	2.58	...
Bull Bay P. W. D.	.52	.52
Gordon Town	2.59	.82
Hope Gardens	4.02	1.43
Hope Reservoir	...	...
Cherry Garden	5.04	1.82
King's House	1.55	.65
Cavaliers	...	...
Shortwood	4.01	1.47
Constant Spring	...	...
Monaltrie	.94	.22
Halfway-Tree P.W.D.	.54	.24
Camperdown	...	...
Public Works Office Kn.	.86	.48
Plumb Point L. H.	.26	.26
Ferry P. W. D.	2.17	.93
Caymanas	...	...
Spanish Town P.W.D.	3.01	1.28
Windsor Park	...	...
Hog Hole Pen P.W.D.	3.36	.76
Old Harbour P.W.D.	2.72	1.00
Somerset Hall	3.43	1.12
May Pen P. W. D.	1.11	.60
Hermitage	.79	.42
Denbigh	1.75	.75
Yarmouth P.W.D.	1.31	.50
Victoria Town P.W.D.	4.45	1.56
Stone's Hope	3.33	1.09
Newport P. W. D.	4.54	1.54
Alligator Pond P.W.D.	4.13	1.60
Potsdam	4.14	1.65
Long Hill	9.51	2.34
Pepper	10.95	1.86
Torrington P. W. D.	5.81	3.10
Bethlehem	11.00	4.10
Santa Cruz P.W.D.	8.38	1.27

The greatest monthly fall, viz. 18.01 inches was recorded at Moore Town and no rain was recorded at Fairfield and Mount Carey. The greatest fall in 24 hours was 4.10 at Green Vale, in Portland, and Bethlehem in the Santa Cruz Mountains, on the 28th and 4th respectively. The greatest number of days on which rain fell at any one place was 21 at Magotty, P.W.D. Six stations had in 24 hours falls of between 3 and 5 inches; while no station had as much as 5 inches in 24 hours.

The mean approximate rainfall for the whole island for April, as arrived at on the 5th May, was 3.45. This result was obtained from 31 stations with "averages." The results shown in the Comparative Table now published are from 70 such stations, and show a rainfall for the island of 3.76, compared with an average fall of 4.56 inches.

The rainfall for April was thus less than the average in every Division except the Southern, where it was the average, but the deficiency was not much in the Northern Division. The net result for the island shows about one-fifth less than the average.

The following notes have come to hand:—

N. E. DIVISION. *Gayle*.—Very seasonable, first and last week dry.

*Rio Hoe*.—Fine showers during the month, from the 1st to the 28th. Pastures are all looking green.

*Albion*.—A remarkable prevalence during the whole month of cold northerly winds and fog. The rains

from the 21st onwards came from the E., with thunder—much like May seasons. Pimento has bloomed fully two months after the customary time.

W. C. DIVISION. *Windsor Fen*.—Driest April during record kept since 1884.

*Leithe Bridge*.—The driest month for seven years at this place.

*Copse*.—Unusually dry for April, always a heavy fall at end of month, commencement of May seasons.

*Great Valley*.—The driest April that I have known for ten years in Hanover. Heat very great.

S. DIVISION, *Monaltrie*.—Thunder heard on afternoon of 29th towards N. W.

*Denbigh*.—Very high winds during the month, with an intense heat.

*Petersville*.—From 1st January to 30th April, 1895, 12.19 inches. From 1st January to 30th April, 1896, 12.26 inches. By the above you will see for the four months this year we have had slightly more rain than in 1895, but for all that we have suffered more from drought this year than last year.

#### FALL OF HAIL.

W. C. DIVISION. *Christiania*.—The fall of 2.70 on 28th was very severe, with hail.

Below will be found a statement of the rainfall recorded during this year compared with the average fall during the months in question.

	1896.	Average.
	in.	in.
January	5.08	4.16
February	4.91	2.50
March	4.56	2.94
April	3.76	4.56
Total	18.31	14.16

The excess in the first three months more than counterbalances the deficiency in April and leaves us with four inches to the good for the year up to the end of April.

Kingston, 1st June, 1896.

ROBT. JOHNSTONE.



## KINGSTON :—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

May, 1896.	Clouds (in tenths of the sky).						Rainfall. In.	Weather: Remarks, &c.		
	7 a.m.			3 p.m.						
	Lower.	Middle.	Upper.	Lower.	Middle.	Upper.				
1	...	...	...	...	2 Cum.	2 Cir. Str.	0.00	Fine but hazy a.m. Fair p.m.		
2	...	...	...	...	2 Cum.	1 Cir. & Cir. Str.	0.00	Fine but hazy a.m. Fine p.m.		
3	...	...	...	7 Alt. Str.	...	...	0.13	Fine a.m., raining p.m. Rain from 3 to 3.26 p.m., and from 4.35 to 4.42 p.m.		
4	...	3 Alt. Cum.	1 Cir. Str.	2 Str. Cum.	...	3 Alt. Cum.	0.00	Fair a.m. Cloudy p.m.		
5	...	...	1 Cir. Str.	2 Str. Cum.	2 Cum. SE.	1 Cir. Str.	0.00	Fine a.m. Cloudy p.m.		
6	...	...	...	...	2 Cum.	3 Cir. Str.	0.00	Fine a.m. Fair p.m.		
7	...	...	8 Cir. & Cir. Str.	2 Str. Cum.	1 Cum.	4 Cir.	0.00	Cloudy.		
8	...	8 Alt. Cum.	1 Cir. & Cir. Str.	2 Alt. Str.	5 Alt. Cum.	...	0.00	Cloudy.		
9	1 Str. 2 Str. Cum.	3 Alt. Cum.	1 Cir. Str.	2 Str. Cum.	8 Alt. Str.	...	0.23	Cloudy a.m., Rainy p.m. Rain from 1.20 to 3 p.m., and from 8 p.m. with intervals to 5.17 p.m.		
10	3 Alt. Str. 4 Str. Cum.	...	2 Cir.	1 Alt. Str.	2 Cum.	2 Cir. Str.	0.00	Cloudy.		
11	1 Str.	1 Cum.	6 Cir. & Cir. Str.	4 Str. Cum.	1 Cum.	1 Cir. Str.	0.00	Cloudy.		
12	...	...	...	1 Str. Cum.	2 Cum. SE.	1 Cir. Str.	0.00	Fine a.m. Fair p.m.		
13	...	...	...	6 Str. Cum.	2 Alt. Cum.	...	0.00	Fine but hazy a.m. Cloudy p.m.		
14	3 Str. Cum.	2 Alt. Cum.	1 Cir. Str.	1 Str. Cum.	2 Cum.	2 Cir. & Cir. Str.	0.00	Cloudy.		
15	...	...	7 Cir.	3 Str. Cum.	1 Alt. Cum.	1 Cum.	0.00	Cloudy.		
16	...	...	6 Cir. & Cir. Str.	4 Str. Cum.	3 Cum.	3 Cir. & Cir. Str.	0.00	Cloudy. Thunder to N at 12.28 p.m.		
17	...	...	1 Cir.	1 Str. Cum.	2 Alt. Cum.	1 Cir. & Cir. Str.	0.00	Fine a.m. Fair p.m.		
18	...	...	2 Cir.	2 Str. Cum.	2 Alt. Cum.	2 Cir. & Cir. Str.	1.43	Fine a.m. Cloudy p.m. Rain at 12.43 to 2.6 p.m. Thunder to N at 1.20 p.m.		
19	3 Str.	...	3 Cir. & Cir. Str.	2 Str. Cum.	2 Cum.	4 Cir. & Cir. Str.	0.00	Cloudy.		
20	1 Str.	1 Cum.	5 Cir. & Cir. Str.	3 Str. Cum.	2 Cum.	2 Cir. & Cir. Str.	0.00	Cloudy.		
21	...	...	6 Cir.	3 Str. Cum.	2 Cum. SE.	1 Cir. W.	0.00	Cloudy.		
22	...	...	3 Cir.	1 Str. Cum.	3 Cum. NE.	2 Cir. & Cir. Str. NE	0.67	Fine a.m. Cloudy p.m. Rain at 6.12 to 7.8 p.m. Thunder at 6.40 p.m. SW. Lighting from 6.45 with intervals to 7.18 p.m. Cloudy. Rain at 3.12 to 3.25 p.m., and at 4.25 to 6.45 p.m.		
23	2 Alt. Str. 6 Str.	1 Cum.	...	3 Str. Cum.	1 Cum.	...	0.41	...		
24	5 Alt. Str. 2 Str. Cum.	3 Cum.	...	4 Alt. Str.	...	...	0.69	Cloudy. Rain at 10.25 to 11.37 a.m. and at intervals to 3 p.m. Rain from 3.13 to 4.17 p.m. and from 7.30 to 7.46 p.m.		
25	5 Str.	1 Cum. SE.	3 Cir. & Cir. Str.	...	4 Cum. SE.	6 Cir.	0.24	Cloudy. Rain from 10.36 to 11.27 p.m.		
26	4 Str. Cum.	3 Cum.	2 Cir. Str.	1 Str.	2 Cum.	5 Cir. & Cir. Str. W.	0.00	Cloudy.		
27	...	...	5 Cir. & Cir. Str.	3 Alt. Str.	1 Alt. Cum.	...	0.22	Fair a.m. Cloudy p.m. Light rain from 2.48 to 2.59 p.m. Rain from 3.45 to 4.47 p.m.		
28	...	1 Cum.	8 Cir. & Cir. Str.	4 Str. Cum.	2 Cum.	...	0.32	Cloudy. Rain from 1.30 to 2 p.m.		
29	...	1 Cum.	5 Cir. SE.	1 Str. Cum.	4 Cum. SE.	3 Cir. & Cir. Str. E.	0.00	Cloudy.		
30	2 Str. Cum.	2 Cum.	2 Cir. & Cir. Str.	1 Str. Cum.	3 Cum.	6 Cir. & Cir. Str.	0.00	Cloudy.		
31	...	4 Cum. SW.	5 Cir. & Cir. Str. SE	1 Str. Cum.	3 Cum. SE.	5 Cir. & Cir. Str. SE	0.00	Cloudy.		
Means Total	140/o	120/o	280/o	340/o	230/o	190/o	4.34			

## RESULTS AT OTHER STATIONS.

STATION.	ELEVATION ft.	MEANS FOR THE MONTH.						EXTREMES FOR THE MONTH.						Total Rainfall. In.		
		Temperature.			Dewpoint.			Humidity.			Temperature.					
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.	
King's House ...	400	73.1	83.9	86.5	64.9	21.6	69.9	74.2	90	72	95	2 & 6	60	2 & 5	55	6.40
Castleton Gardens...	580	71.2	79.9	84.6	66.3	18.3	68.9	73.1	93	79	89	17	62	1*	27	9.64
Hope Gardens ...	600	70.3	81.6	86.7	66.4	20.3	68.1	77.7	93	87	96	26	61	9	35	5.18
Stony Hill Refty... Cinchona Plantation	1,400 4,907	70.6	76.8	80.5	67.0	13.5	68.5	72.6	93	87	84	6	63	1	21	8.61
		61.1	63.9	67.7	55.1	12.6	56.2	61.1	83	90	72	15†	50	13	22	8.25

\* also 2, 11 &amp; 20.

† also 19.

## THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:-

	MAY.	
	1896.	Average.
Infantile diseases not otherwise specified	27	22
Lung diseases	32	15
Fever and Malaria	15	8
Dysentery and Diarrhoea	28	14
Various	56	60
Total	158	119

## CINCHONA PLANTATION.

The following are means for the month in addition to those published above:-

		in.
Barometric pressure	7 a.m.	25.351
" "	3 p.m.	25.343
Temperature—		
6 feet underground	7 a.m.	61.0
" "	3 p.m.	61.0
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		9.3

## BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.			Rain	Remarks.	Observer's Initials
		Max.	Min.	Temp.			
1896.		°	°	°	in.		
January 31st	12.15 p.m.	67.9	35.8	45	16.64	Raining steadily.—cold	W. H.
February 29th	11.30 a.m.	68.9	40.8	53	20.09	Fine and clear.	D. W.
March 31st	4 p.m.	68.9	41.8	55	8.20	Misty.	W. H.
April 30th	10 a.m.	62.9	40.8	50	18.30	Cloudy.	D. W.
May 31st	9.30 a.m.	65.8	44.8	60	12.25	Drizzling Calm.	W. H.

NOTE.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level and to standard Gravity at latitude 45°. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

## RAINFALL FOR MAY, 1896.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first column, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the result of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.	MAY.			
	1896.			
	Total Fall.	Greatest fall in 24 hours.	Date.	Days on which 0.01 or more fell.
Hordley	27.48	7.37	30	15 in. 16.69
Manchioneal P.W.D.	27.02	5.80	10	18 ...
Bath P. W. D.	19.83	5.13	24	23 ...
Moore Town P.W.D.	46.83	15.42	9	20 ...
Mt. Ephraim	...	...	...	...
Port Antonio P. W. D.	36.99	10.20	9	27 20.65
Fellowship P. W. D.	53.57	15.06	9	23 ...
Serge Island	...	...	...	...
Coley Estate	...	...	...	...

NORTH-EASTERN DIVISION, contd.	MAY.			
	Total Fall.	Greatest fall in 24 hours.	Date.	Days on which 0.01 or more fell.
Burlington	...	...	...	...
Shrewsbury P. W. D.	32.70	12.00	9 21	...
Cedar Valley P. W. D.	11.24	4.11	24 10	...
Green Vale	20.82	4.80	9 18	...
Cinchona Plantation	8.25	1.80	24 19	10.27 in.
Resource	...	...	...	...
Buff Bay P. W. D.	20.15	6.05	9 16	...
Cold Spring	11.47	1.85	2 19	...
Hardware Gap	17.13	...	...	...
Rose Hill	...	...	...	...
Annotto Bay P. W. D.	11.83	3.20	9 13	...
Stony Hill Refty.	8.51	1.60	3 15	10.10
Castleton Gardens	9.64	1.80	28 19	12.90
Lawrence's Tavern P. W. D.	5.99	1.60	28 14	...
Albany, P.W.D.	9.72	2.20	24 14	...
Quebec	...	...	...	7.72
Richmond P. W. D.	5.51	1.85	30 13	...
Highgate P. W. D.	9.80	2.25	15 13	...
Gayle	9.75	2.50	24 8	8.93
Gayle P. W. D.	8.71	1.44	1 18	...

NORTH-EASTERN DIVISION, contd.	MAY.						NORTHERN DIVISION contd.	MAY.									
	1896.			1896.				1896.			1896.						
	Total	Greatest fall in 24 hours.	Date.	Total	Greatest fall in 24 hours.	Date.		Total	Greatest fall in 24 hours.	Date.	Total	Greatest fall in 24 hours.	Date.				
	Fall	Amount.	Date.	Fall	Amount.	Date.		Fall	Amount.	Date.	Fall	Amount.	Date.				
Rio Hoe	.6.10	2.98	1	12	10.90	in.	Rose Hall	.1.05	.45	25	4	3.23					
Unity Valley	...	...	...	...	10.68	in.	Running Gut	...	...	...	7	4.82					
Moneague P. W. D.	8.32	4.07	1	11	...	Spring	1.75	.55	25	...	...						
Claremont	4.75	.97	30	11	...	Ironshore	...	...	...	...	5.06						
Albion	5.09	1.97	19	15	8.62	Friendship	...	...	...	...	...						
Averham Park	6.47	1.09	1	17	8.61	Providence	3.86	...	...	...	5.83						
Ballintoy	2.91	1.04	1	9	...	Montego Bay P. W. D.	6.43	2.87	26	10	...						
Means	18.14	...	...	...	11.96	...	Catherine Hall	...	...	...	...	7.94					
NORTHERN DIVISION																	
Port Maria P. W. D.	12.10	2.73	9	15	7.64	...	Catherine Mount	...	...	...	...	8.19					
Drax Hall	4.17	.88	24	7	8.05	...	Fairfield	8.35	2.94	26	12	9.67					
St. Ann's Bay P.W.D.	5.47	2.06	1	10	...	...	Eden	...	...	...	...	9.38					
Seville	...	...	...	...	8.16	...	Wiltshire	...	...	...	...	8.52					
Bichmond Estate	...	...	...	...	8.59	...	Round Hill	...	...	...	...	9.58					
Llandoverry	5.88	1.68	1	10	8.33	...	Flint River	...	...	...	...	6.74					
Brown's Town P.W.D.	6.77	2.06	30	11	...	...	Tryall	...	...	...	...	...					
Home Castle	5.92	1.40	9	9	6.29	Sandy Bay P. W. D.	4.29	1.20	30	7	6.79						
Bichmond Pen	4.40	1.10	30	6	8.13	Kew	...	...	...	...	...						
Mahogany Hall	5.60	1.54	30	11	7.74	Lucea P. W. D.	6.48	3.39	26	8	11.88						
Brampton Bryan	3.43	1.26	9	5	6.36	Haughton Court	...	...	...	...	...						
Bryan Castle	5.06	1.35	30	9	5.46	Orange Cove	...	...	...	...	7.68						
Braco	2.88	1.20	31	3	5.51	CENTRAL SUB-DIVISION—											
Arcadia	3.29	1.15	30	8	4.71	Headworks, R. C.C.	8.11	1.51	21	17	9.12						
Arcadia Great House	1.79	.62	22	5	...	Linstead P. W. D.	5.31	1.28	1	7	10.43						
Harmony Hall	...	...	...	...	4.68	Wakefield	9.29	2.05	20	12	...						
Lancaster	2.83	1.15	31	4	5.66	Point Hill, P.W.D.	12.74	2.70	8	12	...						
Vale Royal	4.23	1.00	22	9	6.54	Harker's Hall P.W.D.	7.35	1.32	28	16	...						
Colchis Pen	2.92	1.06	30	8	7.08	Chapelton P. W. D.	6.16	1.43	27	11	7.75						
Hyde	6.21	1.90	19	16	8.50	Danks-Savoy	7.57	1.58	8	13	...						
Georgia	2.90	.90	31	4	...	Cave Valley	4.19	.70	18	16	10.80						
Steelfield	2.64	1.23	22	4	5.91	Means	4.32	...	...	...	7.01						
Oxford	2.95	1.50	22	4	5.92	WEST CENTRAL DIVISION.											
Cambridge	4.30	1.20	13	8	6.78	Mocho	11.61	2.55	30	17	...						
Dry Valley	2.50	...	...	...	...	Baillieston	8.10	2.80	20	15	...						
Lottery	1.90	.60	31	6	6.69	Farm Plantation	8.05	3.00	25	12	10.13						
Hampstead	...	...	...	...	...	Brockenhurst Pln.	...	...	...	...	13.68						
Falmouth	3.15	...	...	...	6.02	Christiania P. W. D.	6.70	1.34	8	15	...						
Falmouth P. W. D.	.95	.23	26	6	...	Kendal P. W. D.	6.28	1.00	27	12	...						
Fontabelle	10.85	2.45	31	21	...	Mandeville P. W. D.	10.41	2.35	25	21	12.76						
Martha Brae	...	...	...	...	...	Marshalls Pen	...	...	...	...	...						
Holland Pen	1.45	.45	9	4	6.11	Ulster Spring P.W.D.	14.57	1.98	1	17	...						
Pembroke	...	...	...	...	6.28	Troy	16.92	2.63	17	20	...						
Golden Grove	...	...	...	...	8.67	Windsor Pen	10.00	2.00	30	18	10.81						
Green Park	3.49	1.02	25	11	6.91	Balaclava P. W. D.	18.03	3.68	18	18	...						
Tilston	...	...	...	...	8.29	Elim	19.26	3.14	18*	16	...						
Weston Favell	6.89	1.33	26	13	10.99	Appleton	18.33	2.32	18	25	10.85						
Orange Valley	...	...	...	...	5.90	Magotty P.W.D.	24.00	3.85	21	25	...						
Kent	1.86	1.30	25	3	6.14	Spring Vale	...	...	...	...	12.43						
Dundee	4.14	.83	25	10	6.89	Maroon Town	...	...	...	...	10.88						
Phoenix	5.13	1.75	25	14	8.57	Kempshot	6.45	1.35	20	11	8.92						
Gale's Valley	...	...	...	...	9.21	Kepp	18.58	2.93	18	28	12.51						
Greenwood	2.50	1.31	25	6	4.05	Kew Park	10.10	1.30	18	16	11.22						
Canaan	6.50	1.30	26	9	...	Mount Carey	7.76	2.40	19	9	...						
Content	...	...	...	...	...	Windsor Forest	...	...	...	...	13.70						
Bellfield	4.93	1.25	26	10	...	Chester Castle	...	...	...	...	10.95						
Guilsbro'	...	...	...	...	8.79	Darliston P. W. D.	18.96	2.50	22	26	...						
Tryall	2.87	.85	7	7	...												
Leagan	...	...	...	...	5.75												
Success	.72	.25	25	5	...												
Cinnamon Hill	.75	.48	25	3	3.46												

\*Gauge ran over.

WEST CENTRAL DIVISION contd.	MAY. 1896.						SOUTHERN DIVISION, contd.	MAY. 1896.						
	Total	Greatest fall in 24 hours.			Days on which .01 or more fell.	Average.		Total	Greatest fall in 24 hours.			Days on which .01 or more fell.	Average.	
		Fall.	Amount.	Date.					in.	in.	Date.			
Whithorn, P. W. D.	13.56	1.47	8	22	...	...	Holland	12.82	2.39	3	18	...	...	
New Galloway	12.39	1.69	8	19	...	...	Black River P. W. D.	9.46	1.30	16	17	5.96	5.96	
Lethe Bridge	10.07	2.40	13	16	...	...	Whitehall	...	...	...	...	...	...	
Copse	7.88	2.25	23	14	11.82	...	Font Hill	...	...	...	...	...	...	
Cacoon Castle	11.95	1.99	26	18	13.13	...	Grand Vale	...	...	...	...	...	...	
Golden Grove	...	...	...	...	15.16	...	Peter's Ville	15.59	2.75	28	24	...	...	
Great Valley	12.29	2.35	30	...	...	...	Mount Edgecombe	11.99	1.73	26	21	6.53	6.53	
Brownsville	11.91	2.25	25	21	...	...	Sweet River	15.18	2.61	26	22	7.15	7.15	
George's Plain Estate	12.58	2.45	28	20	...	...	Windsor, Sav.-la-Mar.	12.64	2.94	21	21	9.52	9.52	
Fontabelle	...	...	...	...	8.84	...	Sav.-la-Mar P. W. D.	13.96	2.15	21	18	...	...	
Morgans Bridge P.W.D.	10.87	1.74	10	24	...	...	Retreat	7.10	1.13	22	17	...	...	
King's Valley	12.83	2.50	10	18	11.72	...	Negril Pt. Lighthouse	8.57	3.34	23	12	...	...	
Abingdon	7.75	3.05	26	11	7.50	...	Means	8.64	...	...	...	7.70	7.70	
Means	11.12	...	...	...	10.98	...								

## COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

	MAY.	
	1896.	Average.
	In.	In.
SOUTHERN DIVISION.		
Morant Point L. H.	13.03	4.48
Morant Bay, P. W. D.	12.72	3.54
Lessons	...	...
Easington P. W. D.	6.07	2.45
Abbey	...	...
Halberstadt	...	...
Bull Bay P. W. D.	2.89	2.00
Gordon Town	8.50	2.15
Hope Gardens	5.90	1.45
Hope Reservoir	...	...
Cherry Garden	9.71	2.52
King's House	6.41	1.75
Cavaliers	...	...
Shortwood	7.25	1.50
Constant Spring	...	...
Monaltrie	6.43	1.12
Halfway-Tree P.W.D.	4.62	1.25
Camperdown	...	...
Public Works Office Kn	4.34	1.43
Plumb Point L. H.	3.24	1.13
Ferry P. W. D.	3.39	1.00
Caymanas	...	...
Spanish Town P.W.D.	4.00	1.80
Windsor Park	...	...
Hog Hole Pen P.W.D.	5.07	1.12
Old Harbour P.W.D.	4.50	1.18
Somerset Hall	7.64	1.95
May Pen P. W. D.	8.08	1.35
Hermitage	6.85	3.7
Denbigh	9.75	2.25
Yarmouth P.W.D.	5.76	1.25
Victoria Town P.W.D.	5.83	2.06
Stone's Hope	6.97	2.33
Newport P. W. D.	7.07	1.54
Alligator Pond P.W.D.	2.37	.77
Potsdam	5.00	1.15
Long Hill	15.14	3.92
Pepper	15.31	3.48
Torrington P. W. D.	...	2.12
Bethlehem	13.26	2.08
Santa Cruz P.W.D.	14.85	2.50
Means	9.30	9.41

The greatest monthly fall, viz. 53.57 inches was recorded at Fellowship and the least viz., 0.72 inches was recorded at Success. The greatest fall in 24 hours was 15.42 at Moore Town in Portland, on the 9th. The greatest number of days on which rain fell at any one place was 28 at Kepp. Sixteen stations had in 24 hours falls of between 3 and 5 inches; three falls of between 5 and 7 inches; one between 7 and 10 inches, while two stations had over ten inches and two stations had over 15 inches in 24 hours.

The mean approximate rainfall for the whole island for May, as arrived at on the 4th June, was 8.62. This result was obtained from 42 stations with "averages." The results shown in the Comparative Table now published are from 72 such stations and show a rainfall for the island of 9.30 as compared with an average fall of 9.41 inches.

The rainfall for May was thus almost the average for the island, but this was not the case in every Division. The Northern Division had a deficiency of rain to the extent of 38 per cent of the average, but this was made up by each of the other three Divisions having an excess, the North Eastern having the largest. Indeed in the parish of Portland there were some abnormally heavy falls e.g., 54, 47, 37 and 33 inches but only one of these Port Antonio (with 37) possesses an "average" otherwise the mean for the Division would no doubt have been found greater in excess of the average. All the other stations outside of the ex-

treme N.E., corner of this Division had on the other hand falls slightly below the average.

The following notes have come to hand :—

N. E. DIVISION.

*Cinchona Plantation*—Light seasonable showers during the month.

*Gayle*—Seasonable all the month.

*Bio Hoe*—The month very seasonable, good showers pastures are all green. Ponds require more rain.

W. C. DIVISION.

*Farm Pln.*—Splendid May Seasons and very thankful for the much needed vegetation.

*Windsor*—May seasons only commenced last week in the month, being later than usual.

*Copse*—Unusually dry for May at commencement of month and the fall for the period not half the average.

S. DIVISION.

*Denbigh*—May seasons have fairly set in here. Very high winds on Friday the 22nd did considerable damage.

*Mt. Edgecombe*—This rainfall for the month has only been exceeded twice since I have kept a rain gauge viz. in 1884 and 1894.

FALL OF HAIL.

W. C. DIVISION. *Pepper*—On the 21st May a very heavy rain fell in the afternoon accompanied with thunder and a small shower of hail. The hail stones were about the size of marbles. 3 in. 5 parts fell on that day.—*A. P. Lockwood Wingate*.

Below will be found a statement of the rainfall recorded during this year compared with the average fall during the months in question.

	1896.	Average.
	in.	in.
January	...	4.16
February	...	2.50
March	...	2.94
April	...	4.56
May	...	9.41
Total	<hr/> 27.41	<hr/> 23.57

The excess in the first three months more than counterbalances the deficiency in April and still leaves us with four inches to the good for the year up to the end of May.

Kingston, 1st July, 1896.

ROBT. JOHNSTONE.